

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

**Bachelor of Science (Honours) Economics
(Semester I-II)**

(Under Credit Based Continuous Evaluation Grading System)

(12+3 System of Education)

Session: 2024–25



**The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)**

Bachelor of Science (Honours) Four Year Degree Program

Upon successful completion of this course, students will be able to

PSO1: learn Punjabi language skills, literature and culture

PSO 2: understand English literature, language and communication skills

PSO 3: have in depth knowledge of the concepts and basic theories of micro and macro economics, development economics, international trade, Indian economic problems and experience with planning

PSO 4: learn basic analytical skills with mathematical and statistical techniques

PSO 5: understand the basic principles of computer and programming

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULAM OF EXAMINATION OF FOUR YEAR HONOURS DEGREE PROGRAM
Bachelor of Science (Honours) Economics
Session: 2024-25

Semester I										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BECL-1421 BECL-1031 BECL-1431	Punjabi(Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	4-0-0	4-0-0	4	100	80	-	20	3
BECL-1212	English Language Skills -I	AEC	4-0-0	4-0-0	4	100	80	-	20	3
BECL-1175	Economics (Microeconomics)	DSC 1	4-0-0	4-0-0	4	100	80	-	20	3
BECL-1333	Mathematics Algebra	DSC 2	4-0-0	4-0-0	5	100	80	-	20	3+3
BECP-1333	Mathematics Algebra laboratory		0-0-2	0-0-1		25	20		5	
BECL-1453	Quantitative Techniques (Quantitative Techniques-I)	DSC 2	4-0-0	4-0-0	4	100	80	-	20	3
BECL-1134	Computer Science (Computer Fundamental and PC Software)	DSC 3	3-0-0	3-0-0	4	75	60	-	15	3+3
BECP-1134	Computer Science (Computer Fundamental and PC Software) (PRACTICAL)		0-0-2	0-0-1		25	-	20	5	
BECL-1124	Computer Applications (Vocational)(Computer Fundamentals and PC Software)	DSC 3	3-0-0	3-0-0	4	75	60	-	15	3+3
BECP-1124	Computer Applications (Computer Fundamentals and PC Software) (PRACTICAL)		0-0-2	0-0-1		25	-	20	5	
VACF-1495	Foundation Course	VAC	2-0-0	2-0-0	2	50	40	-	10	1
	Total Credits with Quantitative Techniques				22					
	Total Credits with Mathematics				23					

C-Compulsory
AEC-Ability Enhancement Course
DSC- Discipline Specific Course

VAC- Value Added Course

¹ **Special paper in lieu of Punjabi (Compulsory).**

² **Special paper in lieu of Punjabi (Compulsory) for those students who are not domicile of Punjab.**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULAM OF EXAMINATION OF FOUR YEAR HONOURS DEGREE PROGRAM
Bachelor of Science (Honours) Economics
Session: 2024-25

Semester II										
Course Code	Course Name	Course Type	Hours Per Week	Credits	Total Credits	Marks				Examination time (in Hours)
			L-T-P	Total		Ext.		CA		
						L	P			
BECL-2421 BECL-2031 BECL-2431	Punjabi(Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	4-0-0	4-0-0	4	100	80	-	20	3
BECL-2212	Language and Literature -I	MDC	4-0-0	4-0-0	4	100	80	-	20	3
BECL-2175	Economics (Microeconomics)	DSC 1	4-0-0	4-0-0	4	100	80	-	20	3
BECL-2333	Mathematics Calculus	DSC 2	4-0-0	4-0-0	5	100	80	-	20	3+3
BECP-2333	Mathematics Calculus Laboratory		0-0-2	0-0-1		25	20		5	
BECL-2453	Quantitative Techniques (Quantitative Techniques-I)	DSC 2	4-0-0	4-0-0	4	100	80	-	20	3
BECL-2134	Computer Science (Introduction to Programming in C)	DSC 3	3-0-0	3-0-0	4	75	60	-	15	3+3
BECP-2134	Computer Science (Introduction to Programming in C) (PRACTICAL)		0-0-2	0-0-1		25	-	20	5	
BECL-2124	Computer Applications (Vocational) (Introduction to Programming using Python)	DSC 3	3-0-0	3-0-0	4	75	60	-	15	3+3
BECP-1124	Computer Applications (Introduction to Programming using Python) (PRACTICAL)		0-0-2	0-0-1		25	-	20	5	
VACD-2161	Drug Abuse: Problem Management and Prevention	VAC	2-0-0	2-0-0	2	50	40	-	10	1
BECM-2170	Data Analysis Using Excel	SEC	1-0-4	1-0-2	3	75	20	40	15	1+1
	Total Credits with Quantitative Techniques				25					
	Total Credits with Mathematics				26					

C-Compulsory

MDC- multi-Discipline Course

SEC- Skill Enhancement Course

DSC- Discipline Specific Course

VAC- Value Added Course

¹ **Special paper in lieu of Punjabi (Compulsory).**

² **Special paper in lieu of Punjabi (Compulsory) for those students who are not domicile of Punjab.**

Bachelor of Science (Economics) Semester–I

Session 2024-25

Course Code: BECL-1175

Economics (Microeconomics)

Course outcomes:

After passing this course, students will be able to

- CO1:** describe and apply the methods of analyzing consumer behavior through demand and supply, elasticity and utility.
- CO2:** learn about the various cost and revenue curves and the production function.
- CO3:** learn about various market structures.
- CO4:** understand various theories of rent, interest, profit, and distribution.

Bachelor of Science (Economics) Semester–I
Session 2024-25
Course Code: BECL-1175
Economics (Microeconomics)

Time: 3 Hours

L-T-P (Credits):4-0-0
Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Introductory: Definition of Economics, Nature, Scope and Assumptions of Microeconomics. Demand Function, Supply Function, Price Determination, Elasticity of Demand – Price, Income and Cross elasticities and their Measurement.

Utility Analysis: Law of Diminishing Marginal Utility and Law of Equi-Marginal Utility, Indifference Curve Analysis and Revealed Preference Analysis (Meaning and Equilibrium).

UNIT–II

Theory of Production and Costs: Concept of Production Function. Laws of Returns to Scale and Returns to Factor

Cost: Concepts and Cost Curves in the short and in the long run; Traditional and Modern Cost Theories, Revenue Curves and their relationship with the elasticity of demand.

UNIT–III

Market forms: Perfect Competition- Assumptions, Price and Output determination of firm and Industry in the short run and long run; Monopoly- Assumptions and Equilibrium.

Monopolistic Competition- Assumptions and Equilibrium (except Group Equilibrium).

UNIT–IV

Marginal Productivity Theory; Factor pricing (with reference to labour) under Perfect Competition and Imperfect Competition, Modern Theory of Distribution.

Rent: Concept, Ricardian Theory and Modern Theory of Rent.

Interest: Concept, Classical Theory, Loanable Funds Theory.

Profit: Concept, Risk and Uncertainty Theories.

Case Study: Elasticity of Demand and Monopolistic Competition

Suggested Readings:

1. Ahuja, H.L. (2018), *Advanced Economics Theory: Micro Economics analysis*, S. Chand Publishing, New Delhi
2. Dwivedi, D.N. (2018), *Microeconomics: Theory and Applications*, Pearson Education, New Delhi.
3. Koutsoyiannis, A. (2015), *Modern Microeconomics*, Macmillan Press, London.
4. Sen, A. (2007), *Microeconomics: Theory and Applications*, Oxford University Press, New Delhi.

Note: The latest editions of the books are recommended.

Bachelor of Science (Economics) Semester –II
Session 2024-25
Course Code: BECL-2175
Economics (Macroeconomics)

Course outcomes:

After passing this course, students will be able to:

- CO1:** learn the determination of equilibrium in the economy using Classical and Keynesian models and understand the consumption behaviour of an economy.
- CO2:** understand the investment behaviour of an economy and different theories of the trade cycle.
- CO3:** understand the nature and functions of money and the role of financial markets and institutions in the economy.
- CO4:** understand the causes and solution to the problem of inflation and study the macroeconomic policies.

Bachelor of Science (Economics) Semester –II

Session 2024-25

Course Code: BECL-2175

Economics (Macroeconomics)

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Distinction between Micro and Macro Economics; Say's Law of Market and Aggregate Demand and Aggregate Supply, Determination of Income and Employment: Classical and Keynesian Models. Consumption Functions; average (short-run and long-run) and marginal propensity to consume; Keynes' Psychological Law of Consumption, Multiplier: Meaning and its working.

UNIT–II

Investment: Meaning, Investment Demand Schedules and factors affecting investment decisions. Marginal Efficiency of Capital, Accelerator, Multiplier-Accelerator Interaction.

Trade cycles- Meaning, Characteristics and Phases, Samuelson and Hicks Models of Trade Cycles.

UNIT–III

Money: Its functions and role. Money and Capital Markets (Introductory); Quantity Theory of Money: Fisher's and Cambridge's Equations, Liquidity Preference Theory.

Banking: Meaning and Functions of Commercial and Central Banks, Credit Creation and Credit Control.

UNIT–IV

Inflation: Concept, Causes and Cures. Inflation-unemployment Trade-off (only Phillips' contribution).

Macroeconomic Policies: Fiscal Policy – meaning, objectives and instruments. Monetary Policy- meaning, objectives and instruments.

Case Study: Monetary and Fiscal Policy of India

Suggested Readings:

1. Shapiro E. (2013), *Macroeconomic Analysis*, Galgotia Publications.
2. Dwivedi D.N. (2018), *Macroeconomics: Theory and Policy*, Tata McGraw-Hill, New Delhi.

Note: The latest editions of the books are recommended.

Bachelor of Science (Economics) Semester –I

Session: 2024-25

Course Code: BECL-1453

Quantitative Techniques–I

Course outcomes:

After passing this course, students will be able to:

CO1: organize, manage and present data.

CO2: analyze the data by using central tendency, dispersion and skewness.

CO3: learn the relationship between variables and prediction using correlation and regression.

CO4: compare magnitudes of related variables to each other over a period of time with the help of index numbers and understand the concept of time series in analyzing economic problems.

Bachelor of Science (Economics) Semester –I

Session 2024-25

Course Code: BECL-1453

Quantitative Techniques–I

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setters:

Two questions, each carrying 16 marks, from each of Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Statistics: Definition, Scope in Economics, Significance, Limitations. Classification, Tabulation, Diagrammatic and Graphical Representation of Data.

UNIT–II

Concepts and Measures of Central Tendency: Means, Median, Mode, GM, and HM. Concepts and Measures of Relative Dispersion, Concepts and Measures of Skewness (Stress on Numerical Examples).

UNIT–III

Correlation Analysis: Introduction, Importance, Karl-Pearson's Coefficient of Correlation, Spearman's Rank Correlation Coefficient, Simple Regression Analysis; Difference Between Correlation and Regression, Lines of Regression, Properties of Correlation and Regression Coefficients (Stress on Numerical Examples).

UNIT–IV

Index Numbers: Concept of Index Number, Purpose Construction & Problems, Laspeyre's, Paasche's and Fisher's Formulae, Tests of Consistency.

Analysis of Time Series: Definition, Components of Time Series, Measurement of Trend by Different Methods, Measurement of Seasonal Variations (Stress on Examples).

Suggested Readings:

1. Gupta, S.P. (2014), *Statistical Methods*, Sultan Chand & Sons, New Delhi.
2. Croxton, F.E., Cowden D.J. and Klein, S. (1973), *Applied General Statistics*, 3rd. Ed., Prentice Hall of India, New Delhi.
3. Nagar, A.L. and Das, R.K. (1976), *Basic Statistics*, Oxford University Press, Bombay.

Note: The latest editions of the books are recommended.

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

Bachelor of Arts

Economics (Semester I-II)

(Under Credit Based Continuous Evaluation Grading System)

(12+3 System of Education)

Session: 2024–25



**The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATION OF THREE-YEAR DEGREE PROGRAM
Credit Based Continuous Evaluation Grading System (CBCEGS)

Bachelor of Arts
Session 2024-25

Economics

		Semester I								
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BARL-1175	Economics (Microeconomics)	E	4-0-0	4-0-0	4	100	80	--	20	3

		Semester II								
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time(in Hours)
						Total	Ext.		CA	
							L	P		
BARL-2175	Economics (Macroeconomics)	E	4-0-0	4-0-0	4	100	80	--	20	3

E-Elective

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

**SCHEME AND CURRICULUM OF EXAMINATION OF THREE-YEAR DEGREE PROGRAM
Credit Based Continuous Evaluation Grading System (CBCEGS)**

**Bachelor of Arts
Session 2024-25**

Quantitative Techniques

Semester I										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BARL-1453	Quantitative Techniques (Quantitative Techniques-I)	E	4-0-0	4-0-0	4	100	80	--	20	3

Semester II										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BARL-2453	Quantitative Techniques (Quantitative Techniques-II)	E	4-0-0	4-0-0	4	100	80	--	20	3

E- Elective

Bachelor of Arts (Semester–I)

Session: 2024-25

Course Code: BARL-1175

Economics (Microeconomics)

Course outcomes:

After passing this course, students will be able to

CO1: describe and apply the methods of analyzing consumer behavior through demand and supply, elasticity and utility.

CO2: learn about the various cost and revenue curves and the production function.

CO3: learn about various market structures.

CO4: understand various theories of rent, interest, profit, and distribution.

Bachelor of Arts (Semester–I)
Session 2024-25
Course Code: BARL-1175
Economics (Microeconomics)

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Introductory: Definition of Economics, Nature, Scope and Assumptions of Microeconomics. Demand Function, Supply Function, Price Determination, Elasticity of Demand – Price, Income and Cross elasticities and their Measurement.

Utility Analysis: Law of Diminishing Marginal Utility and Law of Equi-Marginal Utility, Indifference Curve Analysis and Revealed Preference Analysis (Meaning and Equilibrium).

UNIT–II

Theory of Production and Costs: Concept of Production Function. Laws of Returns to Scale and Returns to Factor

Cost: Concepts and Cost Curves in the short and in the long run; Traditional and Modern Cost Theories, Revenue Curves and their relationship with the elasticity of demand.

UNIT–III

Market forms: Perfect Competition- Assumptions, Price and Output determination of firm and Industry in the short run and long run; Monopoly-Assumptions and Equilibrium.

Monopolistic Competition- Assumptions and Equilibrium (except Group Equilibrium).

UNIT–IV

Marginal Productivity Theory; Factor pricing (with reference to labour) under Perfect Competition and Imperfect Competition, Modern Theory of Distribution.

Rent: Concept, Ricardian Theory and Modern Theory of Rent.

Interest: Concept, Classical Theory, Loanable Funds Theory.

Profit: Concept, Risk and Uncertainty Theories.

Case Study : Elasticity of Demand

Suggested Readings:

1. Ahuja, H.L. (2018), *Advanced Economics Theory: Micro Economics analysis*, S. Chand Publishing, New Delhi
2. Dwivedi, D.N. (2018), *Microeconomics: Theory and Applications*, Pearson Education, New Delhi.
3. Koutsoyiannis, A. (2015), *Modern Microeconomics*, Macmillan Press, London.
4. Sen, A.(2007), *Microeconomics: Theory and Applications*, Oxford University Press, New Delhi.

Note: The latest editions of the books are recommended.

Bachelor of Arts (Semester –II)

Session: 2024-25

Course Code: BARL-2175

Economics (Macroeconomics)

Course outcomes:

After passing this course students will be able to:

CO1: learn the determination of equilibrium in the economy using Classical and Keynesian models and understand the consumption behaviour of an economy.

CO2: understand the investment behaviour of an economy and different theories of the trade cycle.

CO3: understand the nature and functions of money and the role of financial markets and institutions in the economy.

CO4: understand the causes and solution to the problem of inflation and study the macroeconomic policies.

Bachelor of Arts (Semester –II)
Session 2024-25
Course Code: BARL-2175
Economics (Macroeconomics)

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Distinction between Micro and Macro Economics; Say's Law of Market and Aggregate Demand and Aggregate Supply, Determination of Income and Employment: Classical and Keynesian Models Consumption Functions; average (short-run and long-run) and marginal propensity to consume; Keynes' Psychological Law of Consumption, Multiplier: Meaning and its working.

UNIT–II

Investment: Meaning, Investment Demand Schedules and factors affecting investment decisions. Marginal Efficiency of Capital, Accelerator, Multiplier-Accelerator Interaction.
Trade cycles- Meaning, Characteristics and Phases, Samuelson and Hicks Models of Trade Cycles.

UNIT–III

Money: Its functions and role. Money and Capital Markets (Introductory); Quantity Theory of Money: Fisher's and Cambridge's Equations, Liquidity Preference Theory.
Banking: Meaning and Functions of Commercial And Central Banks, Credit Creation and Credit Control.

UNIT–IV

Inflation: Concept, Causes, and Cures. Inflation-unemployment Trade-off (only Phillips' contribution). Macroeconomic Policies: Fiscal Policy – meaning, objectives and instruments. Monetary Policy- meaning, objectives and instruments.

Case Study: Monetary and Fiscal Policy of India

Suggested Readings:

1. Shapiro E. (2013), *Macroeconomic Analysis*, Galgotia Publications.
2. Dwivedi D.N. (2018), *Macroeconomics: Theory and Policy*, Tata McGraw-Hill, New Delhi.

Note: The latest editions of the books are recommended.

Bachelor of Arts (Semester –II)

Session: 2024-25

Course Code: BARL-2453

Quantitative Techniques–II

Course outcomes:

After passing this course, students will be able to:

CO1: organize, manage and present data.

CO2: analyze the data by using central tendency, dispersion and skewness.

CO3: learn the relationship between variables and prediction using correlation and regression.

CO4: compare magnitudes of related variables to each other over a period of time with the help of index numbers and understand the concept of time series in analyzing economic problems.

Bachelor of Arts (Semester –II)
Session 2024-25
Course Code: BARL-2453
Quantitative Techniques–II

Time: 3 Hours

L-T-P (Credits):4-0-0
Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setters:

Two questions, each carrying 16 marks, from each of Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Statistics: Definition, Scope in Economics, Significance, Limitations. Classification, Tabulation, Diagrammatic and Graphical Representation of Data.

UNIT–II

Concepts and Measures of Central Tendency: Means, Median, Mode, GM, and HM. Concepts and Measures of Relative Dispersion, Concepts and Measures of Skewness (Stress on Numerical Examples).

UNIT–III

Correlation Analysis: Introduction, Importance, Karl-Pearson's Coefficient of Correlation, Spearman's Rank Correlation Coefficient, Simple Regression Analysis; Difference Between Correlation and Regression, Lines of Regression, Properties of Correlation and Regression Coefficients (Stress on Numerical Examples).

UNIT–IV

Index Numbers: Concept of Index Number, Purpose Construction & Problems, Laspeyre's, Paasche's and Fisher's Formulae, Tests of Consistency.

Analysis of Time Series: Definition, Components of Time Series, Measurement of Trend by Different Methods, Measurement of Seasonal Variations (Stress on Examples).

Suggested Readings:

1. Gupta, S.P. (2014), *Statistical Methods*, Sultan Chand & Sons, New Delhi.
2. Croxton, F.E., Cowden D.J. and Klein, S. (1973), *Applied General Statistics*, 3rd. Ed., Prentice Hall of India, New Delhi.
3. Nagar, A.L. and Das, R.K. (1976), *Basic Statistics*, Oxford University Press, Bombay.

Note: The latest editions of the books are recommended.

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

**Bachelor of Science (Economics)
(Semester III-IV)**

**(Under Credit Based Continuous Evaluation Grading System)
(12+3 System of Education)
Session: 2024–25**



**The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATION OF THREE YEAR DEGREE PROGRAM
Bachelor of Science (Economics)

Session: 2024-2025

Semester III

Course Code		Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Total Marks	L Marks	P Marks	CA Marks	Examination time (in Hours)
BECL-4421 BECL-4031 BECL-4431		Punjabi(Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	4	4-0-0	4	100	80	-	20	3
BECL-4212		English (Compulsory)	C	4	4-0-0	4	100	80	-	20	3
BECL-3175		Economics (Indian Economy)	C	4-0-0	4-0-0	4	100	80		20	3
BECL-3453		Quantitative Techniques (Quantitative Techniques-III)	E	4-0-0	4-0-0	4	100	80	-	20	3
BECM-3333	I	Mathematics (Analysis)	E	7-0-0	7-0-0	7	175 (100 + 75)	140 (80 + 60)		35 (20+ 15)	3+3
	II	Mathematics (Analytical Geometry)		(4-0-0 + 3-0-0)							
BECM-3134		Computer Science (Computer Oriented Numerical and Statistical Methods)	E	3-0-2	3-0-1	4	100	60	20	20	3+3
	P	Computer Science (Computer Oriented Numerical and Statistical Methods) (PRACTICAL)									
BECM-3124		Computer Applications (Vocational) (Operating System)	E	3-0-2	3-0-1	4	100	60	20	20	3+3
	P	Computer Applications (Operating System (PRACTICAL)									
AECE-3221		*Environmental Studies (compulsory)	AC	1-0-2	1-0-1	2	50	30	10	10	3
SECP-3512		* Personality Development	AC	0-0-2	0-0-4	2	50		40	10	1

C-Compulsory

E-Elective

AC- Audit Course

¹ Special paper in lieu of Punjabi (Compulsory).

² Special paper in lieu of Punjabi (Compulsory) for those students who are not domicile of Punjab.

*Marks of these papers will not be added in total marks and only grades will be provided.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULAM OF EXAMINATION OF THREE YEAR DEGREE PROGRAM

Bachelor of Science (Economics)

Session: 2024-2025

Semester IV

Course Code		Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Total Marks	L Marks	P Marks	CA Marks	Examination time (in Hours)
BECL-3421 BECL-3031 BECL-3431		Punjabi(Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	4	4-0-0	4	100	80	-	20	3
BECL-3212		English (Compulsory)	C	4	4-0-0	4	100	80	-	20	3
BECL-4175		Economics (International Economics and Public Finance)	C	4-0-0	4-0-0	4	100	80		20	3
BECL-4453		Quantitative Techniques (Quantitative Techniques-IV)	E	4-0-0	4-0-0	4	100	80	-	20	3
BECM-4333	I	Mathematics Statics and Vector Calculus	E	7-0-0	7-0-0	7	175 (100 + 75)	140 (80 + 60)		35 (20+ 15)	3+3
	II	Mathematics Solid Geometry		(4-0-0 + 3-0-0)							
BECM-4134		Computer Science (Data Structures)	E	3-0-2	3-0-1	4	100	60	20	20	3+3
	P	Computer Science (Data Structures) (PRACTICAL)									
BECM-4124		Computer Applications (Vocational) (Relational Database Management Systems)	E	3-0-2	3-0-1	4	100	60	20	20	3+3
	P	Computer Applications (Relational Database Management Systems) (PRACTICAL)									
SECS-4522		*Social Outreach	AC	2-0-0	2-0-0		50	40		10	1

C-Compulsory

E-Elective

AC- Audit Course

¹ Special paper in lieu of Punjabi (Compulsory).

² Special paper in lieu of Punjabi (Compulsory) for those students who are not domicile of Punjab.

*Marks of these papers will not be added in total marks and only grades will be provided.

Bachelor of Science (Economics) Semester –III
Session 2024-25
Course Code: BECL-3175
Economics (Indian Economy)

Course Outcomes:

After passing this course, students will be able to:

- CO1:** understand the nature, importance and problems of Indian agriculture and new agriculture strategy and WTO agreements related to Indian agriculture.
- CO2:** Critically understand the industrial development in India, the role of the public and private sectors, the cottage and small industries, and the latest industrial policy.
- CO3:** understand the composition, direction, and volume of international trade along with the balance of payment problems and the role of foreign capital MNCs.
- CO4:** understand major economic problems of the Indian economy, Indian Taxation System, and Indian economic planning – its objectives, strategy and evaluation.

Bachelor of Science (Economics) Semester –III
Session 2024-25
Course Code: BECL-3175
Economics (Indian Economy)

Time: 3 Hours

L-T-P (Credits):4-0-0
Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT- I

Nature of Indian Economy; Agriculture in India: Nature and Importance of Agriculture, Causes of Decline in Productivity, Sustainable Agricultural Growth, Green Revolution and New Agricultural Strategy, WTO and Indian Agriculture (Introductory).

UNIT- II

Industry: Performance and Problems of Industrial Development; Public Sector versus Private Sector, Role of Privatization, Role of Small and Cottage Industries, Latest Industrial Policy.

UNIT- III

Foreign Trade: Direction and Composition of Exports and Imports since 1991; Recent Foreign Trade Policy, Balance of Payment Problem, Foreign Capital and Multinational Corporations in India Economic Reforms and its implications.

. UNIT- IV

Features of Population Growth in India, Major Problems of the Economy – Inflation, Unemployment, Poverty and Inequality, Current Indian Tax Structure. Planning- Objectives, Strategy, Evaluation of Planning in India; A Brief Idea of Objectives, Targets, Resources of the Latest Five Year Plan (Twelfth Five Year Plan).

Case Study: Population dynamics and nature of the unemployment problem in Punjab

Suggested Readings:

1. Mishra, S.K. and Puri, V.K. (2019), *Indian Economy*, Himalaya Publication House, Mumbai.
2. Dutt, R. and Sundharam, K.P.M. (2018), *Indian Economy*, S. Chand & Co. Ltd., New Delhi.
3. Aggarwal, A. N. (1975), *Indian Economy*, Vikas Publishing House, Delhi.
4. Wadhwa, C. D. (1980), *Indian Economic Policy*, Tata McGraw Hill, Bombay.

Note: The latest editions of the books are recommended.

Bachelor of Science (Economics) Semester –III
Session 2024-25
Course Code: BECL-3453
Quantitative Techniques (Quantitative Techniques–III)

Course outcomes:

After passing this course, students will be able to:

- CO1:** understand and apply the concept of differentiation in economic applications such as profit maximization, cost minimization or utility optimization.
- CO2:** understand and apply the concept of indefinite and definite integrals to economic concepts like consumer and producer surplus.
- CO3:** explain and use matrix operations to solve the system of equations.
- CO4:** understand the basics of linear programming for the efficient computation of optimal solutions to problems in decision-making.

Bachelor of Science (Economics) Semester –III
Session 2024-25
Course Code: BECL-3453
Quantitative Techniques (Quantitative Techniques–III)

Time: 3 Hours

L-T-P (Credits):4-0-0
Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Differentiation: Maxima and Minima of Functions, Partial derivatives, higher order partial derivatives.

UNIT–II

Integration (Excluding Trigonometric and Inverse Functions): Indefinite Integrals; Integration by Partial Fractions; Integration by substitution; Integration by parts; Definite Integrals; Application of Integration in Consumer Surplus and Producer Surplus.

UNIT–III

Matrices: Definition, Types, Addition, Subtraction, and Multiplication of Matrices; Scaler Multiplication; Transposition; Determinants and their Properties; Minors and Co-factors; Rank of a Matrix; Inverse of a Matrix; Cramer's Rule for Solution of Simultaneous system of equations; Applications of matrices in economics.

UNIT–IV

Linear Programming: Formulation of problem, Assumptions, Graphical solution, Simplex method, Use of Artificial Variables, Dual Simplex method. Input-Output Analysis: Basic concepts, Input-Output tables for closed and open economies, Leontief Basic Input-Output Model, Simple Applications of Input-Output Analysis.

Suggested Readings:

1. Rangi, S.S. and Chowdhary, V. (2013), *Mathematical Techniques*, S. Vikas s& Co. Publishing House, India.
2. Allen, R.G.D.(1938), *Mathematical Analysis for Economists*, ELBS and Macmillan Press, New York.
3. Chiang, A.(1967), *Fundamental Methods of Mathematical Economics*, McGraw Hill.

Note: The latest editions of the books are recommended.

Bachelor of Science (Economics) Semester –IV
Session 2024-25
Course Code: BECL-4175
Economics (International Economics and Public Finance)

Course outcomes:

After studying this course, students will be able to:

- CO1:** understand the basis of and gains from international trade and basic understanding of terms of trade and commercial policy and also WTO agreements related to trade.
- CO2:** understand the basic concept of BOP and methods to correct disequilibrium and determination of exchange rate.
- CO3:** understand the basics of public finance and public expenditure.
- CO4:** understand taxes and the burden of public debt.

Bachelor of Science (Economics) Semester –IV
Session 2024-25
Course Code: BECL-4175
Economics (International Economics and Public Finance)

Time: 3 Hours

L-T-P (Credits): 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

International Trade: Internal and External Trade, Classical and Heckscher-Ohlin Theories, Gains from Trade, Terms of Trade (gross, net, and income terms of trade). Trade and economic development.

Commercial Policy: Free trade vs. protection, the rationale of a protectionist policy in a less developed area, GATT & WTO (Introductory).

UNIT–II

Balance of Payments: Meaning and components of balance of payments, Methods for Correcting adverse balance of payments, devaluation and direct control.

Rate of Exchange: Meaning and determination (PPP and BOP Theory), Fixed and flexible exchange rates.

UNIT–III

Public Finance: Nature, scope and importance.

Public Expenditure: Meaning, principles, importance, and effect of public expenditure on production and distribution.

UNIT–IV

Public Revenue: Meaning and Sources of Revenue -Tax and non-tax revenue, Features of a good taxation system, canons of taxation, incidence, and impact of taxation.

Public Debt: Meaning, objectives, importance, its burden.

Case Study: India's EXIM Policy

Suggested Readings:

1. Sodersten, B.O. (1970), *International Economics*, Macmillan, London.
2. Salvatore, D. and Reed, G. (1983), *International Economics*, Macmillan Publishing Company, New York.
3. Tyagi, B.P. (2004), *Public Finance*, Jai Prakash Nath & Company, Meerut.

Note: The latest editions of the books are recommended.

Bachelor of Science (Economics) Semester –IV
Session: 2024-25
Course Code: BECL-4453
Quantitative Techniques–IV

Course outcomes:

After passing this course, students will be able to:

- CO1:** understand the concept of correlation and regression and learn how to apply these statistical techniques in practice
- CO2:** understand the axiomatic formulation of modern probability theory and think of random variables as an intrinsic need for the analysis of random phenomena.
- CO3:** recognize the connection between theory and applications by appropriately fitting, assessing and interpreting the results/ outcomes
- CO4:** understand the basic principles underlying survey design and estimation.

Bachelor of Science (Economics) Semester –IV
Session 2024-25
Course Code: BECL-4453
Quantitative Techniques (Quantitative Techniques–IV)

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Multiple Linear Regression: Concepts, Estimation and Applications (without derivations). Partial and Multiple Correlation. Non-Linear Regression: Quadratic and Exponential; Estimation of Fitting of Various Growth Curves (Modified Exponential, Gompertz).

UNIT–II

Probability: Definition, Additive & Multiplicative Laws and their Applications, Bayes Theorem, Concept of Random Variable, Probability Mass Function & Density Function, Mathematical Expectation (meaning and properties), Moments, Moment Generating Function and Characteristic Function.

UNIT–III

Theoretical Probability Distributions: Derivations of the properties of Binomial (with numerical), Poisson (with numerical), Normal (with numerical), Beta and Gamma Distributions.

UNIT–IV

Sampling: Various concepts – Population, Sampling Units, Complete Enumeration sample Surveys, Concept of an Estimator and The Standard Error, Standard Error of Estimates. Features of a Good Sample, Random and Subjective Sampling, Simple Random Sampling (with and without replacement), and Stratified Random Sampling (applications only).

Practical: Correlation and Regression with Statistical Softwares

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATION OF THREE-YEAR DEGREE PROGRAM
Credit Based Continuous Evaluation Grading System (CBCEGS)

Bachelor of Arts
Session 2024-25

Economics

		Semester III								
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BARL-3175	Economics (Indian Economy)	E	4-0-0	4-0-0	4	100	80	--	20	3

		Semester IV								
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks			Examination time(in Hours)	
						Total	Ext.			CA
							L	P		
BARL-4175	Economics (International Economics and Public Finance)	E	4-0-0	4-0-0	4	100	80	--	20	3

E-Elective

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

**SCHEME AND CURRICULUM OF EXAMINATION OF THREE-YEAR DEGREE PROGRAM
Credit Based Continuous Evaluation Grading System (CBCEGS)**

**Bachelor of Arts
Session 2024-25**

Quantitative Techniques

Semester III										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BARL-3453	Quantitative Techniques (Quantitative Techniques-III)	E	4-0-0	4-0-0	4	100	80	--	20	3

Semester IV										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BARL-4453	Quantitative Techniques (Quantitative Techniques-IV)	E	4-0-0	4-0-0	4	100	80	--	20	3

E- Elective

Bachelor of Arts (Semester–III)
Session 2024-25
Course Code: BARL-3175
Economics (Indian Economy)

Course Outcomes:

After passing this course students will be able to:

- CO1:** understand the nature, importance and problems of Indian agriculture and new agriculture strategy and WTO agreements related to Indian agriculture.
- CO2:** understand critically the industrial development in India, the role of public & private sectors and of the cottage and small industries and the latest industrial policy.
- CO3:** understand the composition, direction and volume of international trade along with the balance of payment problems and the role of foreign capital MNCs.
- CO4:** understand major economic problems of the Indian economy, Indian Taxation System, and Indian economic planning – its objectives, strategy and evaluation.

Bachelor of Arts (Semester–III)
Session 2024-25
Course Code: BARL-3175
Economics (Indian Economy)

Time: 3 Hours

L-T-P (Credits): 4-0-0
Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT- I

Nature of Indian Economy; Agriculture in India: Nature and Importance of Agriculture, Causes of Decline in Productivity, Sustainable Agricultural Growth, Green Revolution and New Agricultural Strategy, WTO and Indian Agriculture (Introductory).

UNIT- II

Industry: Performance and Problems of Industrial Development; Public Sector versus Private Sector, Role of Privatization, Role of Small and Cottage Industries, Latest Industrial Policy.

UNIT- III

Foreign Trade: Direction and Composition of Exports and Imports since 1991; Recent Foreign Trade Policy, Balance of Payment Problem, Foreign Capital and Multinational Corporations in India, Economic Reforms and its implications.

UNIT- IV

Features of Population Growth in India, Major Problems of the Economy – Inflation, Unemployment, Poverty and Inequality., Current Indian Tax Structure. Planning- Objectives, Strategy, Evaluation of Planning in India; A Brief Idea of Objectives, Targets, Resources of the Latest Five Year Plan (Twelfth Five Year Plan).

Case Study: Population dynamics and nature of unemployment problem in Punjab

Suggested Readings:

1. Mishra, S.K. and Puri, V.K. (2019), *Indian Economy*, Himalaya Publication House, Mumbai.
2. Dutt, R. and Sundharam, K.P.M. (2018), *Indian Economy*, S. Chand & Co. Ltd., New Delhi.
3. Aggarwal, A. N. (1975), *Indian Economy*, Vikas Publishing House, Delhi.
4. Wadhwa, C. D. (1980), *Indian Economic Policy*, Tata McGraw Hill, Bombay.

Note: The latest editions of the books are recommended.

Bachelor of Arts (Semester –IV)
Session 2024-25
Course Code: BARL-4175
Economics (International Economics and Public Finance)

Course outcomes:

After studying this course, students will be able to:

- CO1:** understand the basis of and gains from international trade and basic understanding of terms of trade and commercial policy and also WTO agreements related to trade.
- CO2:** understand the basic concept of BOP and methods to correct disequilibrium and determination of exchange rate.
- CO3:** understand the basics of public finance and public expenditure.
- CO4:** understand taxes and the burden of public debt.

Bachelor of Arts (Semester –IV)
Session 2024-25
Course Code: BARL-4175
Economics (International Economics and Public Finance)

Time: 3 Hours

L-T-P (Credits): 4-0-0
Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

International Trade: Internal and External Trade, Classical and Heckscher-Ohlin Theories, Gains from Trade, Terms of Trade (gross, net, and income terms of trade). Trade and economic development.
Commercial Policy: Free trade vs. protection, the rationale of a protectionist policy in a less developed area, GATT & WTO (Introductory).

UNIT–II

Balance of Payments: Meaning and components of balance of payments, Methods for Correcting adverse balance of payments, devaluation and direct control.
Rate of Exchange: Meaning and determination (PPP and BOP Theory), Fixed and flexible exchange rates.

UNIT–III

Public Finance: Nature, scope, importance.
Public Expenditure: Meaning, principles, importance, and effect of public expenditure on production and distribution.

UNIT–IV

Public Revenue: Meaning and Sources of Revenue -Tax and non-tax revenue, Features of a good taxation system, canons of taxation, incidence, and impact of taxation.
Public Debt: Meaning, objectives, importance, its burden.

Case Study: India's Exim Policy

Suggested Readings:

1. Sodersten, B.O. (1970), *International Economics*, Macmillan, London.
2. Salvatore, D. and Reed, G. (1983), *International Economics*, Macmillan Publishing Company, New York.
3. Tyagi, B.P. (2004), *Public Finance*, Jai Prakash Nath & Company, Meerut.

Note: The latest editions of the books are recommended.

Bachelor of Arts Semester –III
Session 2024-25
Course Code: BARL-3453
Quantitative Techniques (Quantitative Techniques–III)

Course outcomes:

After passing this course, students will be able to:

- CO1:** understand and apply the concept of differentiation in economic applications such as profit maximization, cost minimization or utility optimization.
- CO2:** understand and apply the concept of indefinite and definite integrals to economic concepts like consumer and producer surplus.
- CO3:** explain and use matrix operations to solve the system of equations.
- CO4:** understand the basics of linear programming for the efficient computation of optimal solutions to problems in decision-making.

Bachelor of Arts Semester –III
Session 2024-25
Course Code: BARL-3453
Quantitative Techniques (Quantitative Techniques–III)

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Differentiation: Maxima and Minima of Functions, Partial derivatives, higher order partial derivatives.

UNIT–II

Integration (Excluding Trigonometric and Inverse Functions): Indefinite Integrals; Integration by Partial Fractions; Integration by substitution; Integration by parts; Definite Integrals; Application of Integration in Consumer Surplus and Producer Surplus.

UNIT–III

Matrices: Definition, Types, Addition, Subtraction, and Multiplication of Matrices; Scaler Multiplication; Transposition; Determinants and their Properties; Minors and Co-factors; Rank of a Matrix; Inverse of a Matrix; Cramer's Rule for Solution of Simultaneous system of equations; Applications of matrices in economics.

UNIT–IV

Linear Programming: Formulation of problem, Assumptions, Graphical solution, Simplex method, Use of Artificial Variables, Dual Simplex method. Input-Output Analysis: Basic concepts, Input-Output tables for closed and open economies, Leontief Basic Input-Output Model, Simple Applications of Input-Output Analysis.

Suggested Readings:

1. Rangi, S.S. and Chowdhary, V. (2013), *Mathematical Techniques*, S. Vikas s& Co. Publishing House, India.
2. Allen, R.G.D.(1938), *Mathematical Analysis for Economists*, ELBS and Macmillan Press, New York.
3. Chiang, A.(1967), *Fundamental Methods of Mathematical Economics*, McGraw Hill.

Note: The latest editions of the books are recommended.

Bachelor of Science (Economics) Semester –IV
Session: 2024-25
Course Code: BECL-4453
Quantitative Techniques–IV

Course outcomes:

After passing this course, students will be able to:

- CO1:** understand the concept of correlation and regression and learn how to apply these statistical techniques in practice
- CO2:** understand the axiomatic formulation of modern probability theory and think of random variables as an intrinsic need for the analysis of random phenomena.
- CO3:** recognize the connection between theory and applications by appropriately fitting, assessing and interpreting the results/ outcomes
- CO4:** understand the basic principles underlying survey design and estimation.

Bachelor of Science (Economics) Semester –IV
Session 2024-25
Course Code: BECL-4453
Quantitative Techniques (Quantitative Techniques–IV)

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Multiple Linear Regression: Concepts, Estimation and Applications (without derivations). Partial and Multiple Correlation. Non-Linear Regression: Quadratic and Exponential; Estimation of Fitting of Various Growth Curves (Modified Exponential, Gompertz).

UNIT–II

Probability: Definition, Additive & Multiplicative Laws and their Applications, Bayes Theorem, Concept of Random Variable, Probability Mass Function & Density Function, Mathematical Expectation (meaning and properties), Moments, Moment Generating Function and Characteristic Function.

UNIT–III

Theoretical Probability Distributions: Derivations of the properties of Binomial (with numerical), Poisson (with numerical), Normal (with numerical), Beta and Gamma Distributions.

UNIT–IV

Sampling: Various concepts – Population, Sampling Units, Complete Enumeration sample Surveys, Concept of an Estimator and The Standard Error, Standard Error of Estimates. Features of a Good Sample, Random and Subjective Sampling, Simple Random Sampling (with and without replacement), and Stratified Random Sampling (applications only).

Practical: Correlation and Regression with Statistical Softwares

FACULTY OF ECONOMICS AND BUSINESS

**SYLLABUS
of
Bachelor of Science (Economics)
(Semester V-VI)
(Under Continuous Evaluation System)**

Session: 2024-2025



**The Heritage Institution
KANYA MAHA VIDYALAYA
JALANDHAR
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATION OF THREE-YEAR DEGREE PROGRAM

Bachelor of Science (Economics)
Session: 2024-2025

Semester V										
Course Code		Course Name		Course Type	Marks			Examination time (in Hours)		
					Total	Ext.			C A	
						L	P			
BECL-5421 BECL-5031 BECL-5431		Punjabi(Compulsory) ¹ Basic Punjabi ² Punjab History and Culture		C	50	40	-	10	3	
BECL-5212		English (Compulsory)		C	50	40	-	10	3	
BECM-5333		Mathematics	I	Dynamics	E	100	80 (40+40)	-	20	3+3
			II	Number Theory						
BECL-5453		Quantitative Techniques (Quantitative Techniques-V)		E	100	80	-	20	3	
BECM-5134		Computer Science (Database Management Systems)		E	100	50	30	20	3+3	
	(P)	Computer Science (Database Management Systems) (PRACTICAL)								
BECM-5124		Computer Applications (Vocational) (Internet and Web Designing)		E	100	50	30	20	3+3	
	(P)	Computer Applications (Internet and Web Designing) (PRACTICAL)								
BECL-5175		Economics (Economics of Development)		C	100	80	-	20	3	
SECI-5541		*Innovation, Entrepreneurship and Creative Thinking		AC	25	20	-	5	1	
Total					400					

C-Compulsory

E-Elective

AC- Audit Course

¹ Special paper in lieu of Punjabi (Compulsory).

² Special paper in lieu of Punjabi (Compulsory) for those students who are not domicile of Punjab.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATION OF THREE-YEAR DEGREE PROGRAM
Bachelor of Science (Economics)
Session: 2024-2025

Semester VI									
Course Code		Course Name		Course Type	Marks			Examination time (in Hours)	
					Total	Ext.			C A
						L	P		
BECL-6421 BECL-6031 BECL-6431		Punjabi(Compulsory) ¹ Basic Punjabi ² Punjab History and Culture		C	50	40	-	10	3
BECL-6212		English (Compulsory)		C	50	40	-	10	3
BECM-6333		Mathematics	I	Linear Algebra	E	100 <small>(40+40)</small>	-	20	3+3
			II	Numerical Analysis					
BECL-6453		Quantitative Techniques (Quantitative Techniques-VI)		E	100	80	-	20	3
BECM-6134		Computer Science (Information Technology)		E	100	50	30	20	3+3
	(P)	Computer Science (Information Technology) (PRACTICAL)							
BECM-6124		Computer Applications (Vocational) (Business Data Processing)		E	100	50	30	20	3+3
	(P)	Computer Applications (Business Data Processing) (PRACTICAL)							
BECL-6175		Economics (Quantitative Methods for Economists)		C	100	80	-	20	3
Total					400				

C-Compulsory

E-Elective

¹ Special paper in lieu of Punjabi (Compulsory).

² Special paper in lieu of Punjabi (Compulsory) for those students who are not domiciled in Punjab.

Bachelor of Science (Economics) Semester –V
Session 2024-25
Course Code: BECL-5175
Economics (Economics of Development)

Course outcomes:

After passing this course, students will be able to:

- CO1:** learn the measurement of economic development and understand the economic problems of developing and least developed countries
- CO2:** examine the models of growth critically and recognize the importance of their underlying assumptions
- CO3:** analyze the different strategies of economic development and policy implications of export promotion and import substitution strategies
- CO4:** understand the role of planning and contribution of capital formation and choice of techniques in the development of UDCs and their changing landscape after globalization and liberalization

Bachelor of Science (Economics) Semester –V
Session 2024-25
Course Code: BECL-5175
Economics (Economics of Development)

Time: 3 Hours

Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Economic Development: Meaning and Measurement, Economic and Non-Economic Factors, Characteristics of Developing and Least Developed Countries. Human Development Index, Concept of Sustainable Development.

Dualism: Social and Technological Dualism

Lewis Model of Unlimited Supply of Labour, Problems of Unemployment and Disguised Unemployment.

UNIT–II

Models of Growth: Classical, Marxian, Schumpeter, Harrod-Domar, and Solow.

UNIT–III

Rostow's theory of Stages of Growth

Strategies of Economic Development-Balanced vs. Unbalanced Growth; Theory of Big Push;

Leibenstein's Critical Minimum Efforts Thesis

Export Promotion and Import Substitution.

UNIT–IV

Capital Formation – Meaning and Sources; Choice of Techniques

Role of Planning in Under Developed Countries, Need, Objective, Strategy, Types and Problems of Planning.

Case Study: Growth Models for the development of different areas of Punjab

Suggested Readings:

1. Meier, G.M.(1995), *Leading Issues in Economic Development*, Oxford University Press, Delhi.
2. Thirlwall, A.P. (2011), *Economics of Development*, Palgrave Macmillan.
3. Todaro, M.P. and Smith, S.C. (2018), *Economic Development*, Pearson India
4. Misra and Puri (2016), *Economics of Development and Planning*, Himalaya Publishing House, New Delhi
5. Jhingan, M.L.(2011), *The Economics of Development and Planning*, Vrinda Publications Pvt. Ltd., Delhi

Note: The latest editions of the books are recommended.

Bachelor of Science (Economics) Semester–V
Session 2024-25
Course Code: BECL-5453
Quantitative Techniques (Quantitative Techniques–V)

Course outcomes:

After the successful completion of this course, the students will be able to

CO1: understand the basics of methods of estimation and the process of formulation and of testing the hypothesis.

CO2: understand the theoretical details of sampling distributions

CO3: understand the basic applications of sampling distributions.

CO4: understand ANOVA to split and analyze the variations in economic phenomenon.

Bachelor of Science (Economics) Semester–V
Session 2024-25
Course Code: BECL-5453
Quantitative Techniques (Quantitative Techniques–V)
Time: 3 Hours

Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Statistical Inference: Point & Interval Estimation, Properties of a Good Estimator, Maximum Likelihood Method of Estimation and derivation of mean and variance of Binomial, Poisson and Normal distributions using MLE. Basic Concepts of Null and Alternative Hypotheses, Types of Errors, One-Tailed and Two-Tailed Tests, Power of Test, Critical Region.

UNIT–II

Sampling Distributions: Derivation of properties of Z, T, Chi-Square and F distributions.

UNIT–III

Tests of significance based upon the distribution of Z, t, F and Chi-square.

UNIT–IV

Analysis of Variance: Introduction, Assumptions, Techniques of Analyzing Variance- Analysis of Variance of one-way and two-way classification.

Practical: t-test with SPSS/ any other Statistical Software

Suggested Readings:

1. Gupta and Kapoor(2014) , *Fundamentals of Mathematical Statistics* , Sultan Chand & Sons, New Delhi
2. Rangi S.S.(2016), *Statistical Techniques*, S. Vikas &Co. (Publishing House) India.

Note: The latest editions of the books are recommended.

Bachelor of Science (Economics) Semester –VI
Session 2024-25
Course Code: BECL-6175
Economics (Quantitative Methods for Economists)

Course outcomes:

After passing this course, students will be able to:

CO1: learn basic techniques of mathematics and their applications in economics

CO2: analyze data by using means of central tendency and dispersion.

CO3: understand the shapes of the curve and the relationship between variables by using techniques of skewness, kurtosis, and correlation and learn prediction and forecasting by using regression

CO4: calculate relative changes in the magnitude of related variables and also missing values within the data.

Bachelor of Science (Economics) Semester –VI
Session 2024-25
Course Code: BECL-6175
Economics (Quantitative Methods for Economists)

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Sets, Relations and functions, Derivative of simple functions only (excluding log & exponential functions).Maxima/Minima for single variable functions. Introduction to Matrices - definition, properties & inverse.

UNIT–II

Measures of Central Tendency — Mean, Mode, Median and Geometric Mean; Measures of Dispersion.

UNIT–III

Concepts and Measure of Skewness and Kurtosis: Boyle's & Karl Pearson's measures. Simple Correlation & Regression (ungrouped & grouped data).

UNIT–IV

Interpolation: Concepts and Methods — Binomial expansion, Newton and Lagrange's Method (with emphasis on missing values only). Price Index Numbers—Weighted and Unweighted Index Numbers, various formulae and consistency tests.

Case Study – Real-Life Examples Based on Central Tendency and Dispersion

Suggested Readings

1. Gupta, S.P. (2014), *Statistical Methods*, Sultan Chand & Sons, New Delhi.
2. Gupta, S.C. (2018), *Fundamentals of Statistics*, Himalaya Publishing House, New Delhi
3. Elhance, D.N. and Elhance, V. (2018), *Fundamentals of Statistics*, Kitab Mahal, Allahabad
4. Croxton, F.E., Cowden, D.J., and Klein. S. (1973), *Applied General Statistics*, 3rd. Ed., Prentice Hall of India, New Delhi.
5. Nagar, A.L. and Das, R.K. (1976), *Basic Statistics*, Oxford University Press, Bombay.
6. Aggarwal, C.S and Joshi, S.C.(2017) ,*Mathematics for Students of Economics*, New Academic Publishing Co., Jalandhar

Note: The latest editions of the books are recommended.

Bachelor of Science (Economics) Semester–VI
Session 2024-25
Course Code: BECL-6453
Quantitative Techniques (Quantitative Techniques–VI)

Course outcomes:

After passing this course, students will be able to:

CO1: understand the nature and methodology of econometrics.

CO2: understand the OLS procedure of estimation of the model and tests of significance.

CO3: understand the nature and solutions of problems associated with the estimation of regression

CO4: understand the basics of dummy variables and estimation of models with lags.

Bachelor of Science (Economics) (Semester–VI)
Session 2024-25
Course Code: BECL-6453
Quantitative Techniques (Quantitative Techniques–VI)

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

Definition, Scope and Nature of Econometrics. Simple Linear Regression Model (OLS method) with applications

Unit – II

General Linear Regression Model: assumptions, properties (BLUE). Gauss-Markov Theorem (Two Variable and K-variable). Concepts of R^2 and Adjusted R^2 , Test of Significance (Stress on Numericals)

Unit – III

Econometric Problems of Heteroscedasticity and Multicollinearity in the Regression Analysis: Sources, Consequences, Tests and Remedial Measures. Specification Bias.

Unit – IV

Problem of Auto-Correlation in the Regression Analysis: Sources, Consequences, Tests and Remedial Measures. Distributed Lag Models and Auto-Regressive Models (Introductory). Dummy Variable Technique and its uses.

Practical: Defining Variables and Entering Data, Estimation of Regression with SPSS or any other statistical software

Suggested Readings:

1. Madnani GMK, (2015), *Introduction of Econometrics*, Oxford and IBH Publishing, N. Delhi.
2. Koutsoyiannis, A, (2001), *Theory of Econometrics*, The Macmillan Press Ltd., London.

Note: The latest editions of the books are recommended.

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

Bachelor of Arts

Economics (Semester: V-VI)

(Under Continuous Evaluation System)

(12+3 System of Education)

Session: 2024–25



**The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATION OF THREE-YEAR DEGREE PROGRAM

Bachelor of Arts Session 2024-2025

Economics

Semester V							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BARL-5175	Economics (Economics of Development)	E	100	80	-	20	3

Semester VI							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BARL-6175	Economics (Quantitative Methods for Economists)	E	100	80	--	20	3

E-Elective

Bachelor of Arts (Semester–V)
Session: 2024-25
Course Code: BARL-5175
Economics (Economics of Development)

Course outcomes:

After passing this course, students will be able to:

- CO1:** learn the measurement of economic development and understand the economic problems of developing and least developed countries
- CO2:** examine the models of growth critically and recognize the importance of their underlying assumptions
- CO3:** analyze the different strategies of economic development and policy implications of export promotion and import substitution strategies
- CO4:** understand the role of planning and contribution of capital formation and choice of techniques in the development of UDCs and their changing landscape after globalization and liberalization

Bachelor of Arts (Semester–V)
Session 2024-25
Course Code: BARL-5175
Economics (Economics of Development)

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Economic Development: Meaning and Measurement, Economic and Non-Economic Factors, Characteristics of Developing and Least Developed Countries. Human Development Index, Concept of Sustainable Development.

Dualism: Social and Technological Dualism

Lewis Model of Unlimited Supply of Labour, Problems of Unemployment and Disguised Unemployment.

UNIT–II

Models of Growth: Classical, Marxian, Schumpeter, Harrod-Domar and Solow.

UNIT–III

Rostow's theory of Stages of Growth

Strategies of Economic Development-Balanced vs. Unbalanced Growth; Theory of Big Push;

Leibenstein's Critical Minimum Efforts Thesis

Export Promotion and Import Substitution.

UNIT–IV

Capital Formation – Meaning and Sources; Choice of Techniques

Role of Planning in Under Developed Countries, Need, Objective, Strategy, Types and Problems of Planning.

Case Study: Growth Models for the development of different areas of Punjab

Suggested Readings:

1. Meier, G.M.(1995), *Leading Issues in Economic Development*, Oxford University Press, Delhi.
2. Thirlwall, A.P. (2011), *Economics of Development*, Palgrave Macmillan.
3. Todaro, M.P. and Smith, S.C. (2018), *Economic Development*, Pearson India
4. Misra and Puri (2016), *Economics of Development and Planning*, Himalaya Publishing House, New Delhi
5. Jhingan, M.L.(2011), *The Economics of Development and Planning*, Vrinda Publications Pvt. Ltd., Delhi

Note: The latest editions of the books are recommended.

Bachelor of Arts (Semester –VI)

Session 2024-25

Course Code: BARL-6175

Economics (Quantitative Methods for Economists)

Course outcomes:

After passing this course, students will be able to:

CO1: learn basic techniques of mathematics and their applications in economics

CO2: analyze data by using means of central tendency and dispersion.

CO3: understand the shapes of the curve and the relationship between variables by using techniques of skewness, kurtosis, and correlation and learn prediction and forecasting by using regression

CO4: calculate relative changes in the magnitude of related variables and also missing values within the data.

Bachelor of Arts (Semester –VI)
Session 2024-25
Course Code: BARL-6175
Economics (Quantitative Methods for Economists)

Time: 3 Hours

Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Sets, Relations and functions, Derivative of simple functions only (excluding log & exponential functions). Maxima/Minima for single variable functions. Introduction to Matrices - definition, properties & inverse.

UNIT–II

Measures of Central Tendency — Mean, Mode, Median and Geometric Mean; Measures of Dispersion.

UNIT–III

Concepts and Measure of Skewness and Kurtosis: Boyle's & Karl Pearson's measures. Simple Correlation & Regression (ungrouped & grouped data).

UNIT–IV

Interpolation: Concepts and Methods — Binomial expansion, Newton and Lagrange's Method (with emphasis on missing values only). Price Index Numbers—Weighted and Unweighted Index Numbers, various formulae and consistency tests

Case Study – Real-Life Examples Based on Central Tendency and Dispersion

Suggested Readings

1. Gupta, S.P. (2014), *Statistical Methods*, Sultan Chand & Sons, New Delhi.
2. Gupta, S.C. (2018), *Fundamentals of Statistics*, Himalaya Publishing House, New Delhi
3. Elhance, D.N. and Elhance, V. (2018), *Fundamentals of Statistics*, Kitab Mahal, Allahabad
4. Croxton, F.E., Cowden, D.J., and Klein. S. (1973), *Applied General Statistics*, 3rd. Ed., Prentice Hall of India, New Delhi.
5. Nagar, A.L. and Das, R.K. (1976), *Basic Statistics*, Oxford University Press, Bombay.
6. Aggarwal, C.S and Joshi, S.C.(2017) ,*Mathematics for Students of Economics*, New Academic Publishing Co., Jalandhar

Note: The latest editions of the books are recommended.

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

Bachelor of Arts/Bachelor of Science (Economics)

Semester III-IV

in

Economics (Honours)

(Under Credit Based Continuous Evaluation Grading System)

(12+3 System of Education)

Session: 2024–25



The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATION OF

Bachelor of Arts/Bachelor of Science (Economics): – Semester III and IV

Economics (Honours)

		Semester III								
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BARL-3609/ BECL-3607 (OPT-__)	Economics (Hons)	E	4-0-0	4-0-0	4	100	80	--	20	3

		Semester IV								
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks			Examination time(in Hours)	
						Total	Ext.			CA
							L	P		
BARL-4609/ BECL-4607 (OPT-__)	Economics (Hons)	E	4-0-0	4-0-0	4	100	80	--	20	3

E-Elective

SCHEME AND CURRICULUM OF EXAMINATION OF

Bachelor of Arts/Bachelor of Science (Economics): – Semester III and IV

Any one of the following options:

Sr. No.	Course Title
OPT-1	Money and Banking
OPT-2	Public Finance
OPT-3	History of Economic Thought
OPT-4	International Economics
OPT-5	Industrial Economics
OPT-6	Economics of Agriculture
OPT-7	Agriculture Marketing
OPT-8	Economics of Public Enterprises
OPT-9	Introduction to Econometrics

**NOT
E:-
The
stude
nt
who
wishes
to
opt
for
B.A.
(Hons**

.) in Economics will take one option in

each semester out of nine options not already opted for.

B.A. / B.Sc. (Eco.) (Economics Honours)

OPT-1: MONEY AND BANKING

Course outcomes:

After passing this course, students will be able to:

- CO1:** demonstrate an understanding of the nature of money and several key models and concepts of monetary economics.
- CO2:** understand the structure of interest rates and the interest rate policy of the banks.
- CO3:** understand the role of banks and non-banks in modern monetary economies and Financial Intermediation.
- Co 4: understanding** of monetary policy in influencing credit system and the role of international institutions in international monetary cooperation.

B.A. / B.Sc. (Eco.) (Economics Honours)

OPT-1: MONEY AND BANKING

Time: 3 Hours

L-T-P (Credits): 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Money: Nature, Kinds, Functional, Near Money, Broader Definition of Money. Measures of Money Supply in India.

Demand for Money: Quantity and Cash Balance Theories of Money, Keynesian Theory of Money, Don Patinkin, Friedman and Gurley Shaw Approaches.

UNIT–II

Structure and Rate of Interest Approaches, Structure of Interest Rates and Interest Rate Policy in India.

IS and LM Functions. Neutrality of Money. Integration of Theory of Value and Theory of Money.

UNIT–III

Commercial Banks: Their Systems and Functions, Credit Creation and Structure of Commercial Banks in India.

Central Banking: Functions and Techniques of Monetary Management. Non–banking Financial Institutions: Role and Functions.

UNIT–IV

Monetary Policy in India: Objectives, Instruments and Limitations of Credit Control by the Policy in India.

International Monetary Co-operation: International Monetary Fund, International Bank for Reconstruction Developments, International Finance Corporation. International Development Association and Asian Development Bank.

Suggested Readings:

1. Lockett, D.G. (1976), *Money and Banking*, McGraw Hill, New York.
2. Thorn, R.S.(1976), *Introduction to Money and Banking*, Harper and Row, New York.
3. Gupta, S.B. (1997), *Monetary Planning in India*, Oxford University Press, Delhi.
4. Paul, R.R. (2018), *Monetary Economics*, Kalyani Publishers, New Delhi.

Note: The latest editions of the books are recommended.

B.A. / B.Sc. (Eco.) (Economics Honours)

OPT-2: Public Finance

Course outcomes:

After passing this course, students will be able to:

CO1: analyze the functioning of modern public finance and classify public revenues and expenditures through the budget

CO2: understand the effects of public expenditure and public revenue on production, distribution, social overhead capital, stability and Innovation.

CO3: to understand the burden and significance of public debt and the role of major taxes in developing the economy.

CO4: to analyse the instruments and objectives of budgetary policy and the principles of fiscal federalism.

B.A. / B.Sc. (Eco.) (Economics Honors)

OPT-2: Public Finance

Time: 3 Hours

L-T-P (Credits): 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Principles of Public Finance: Subjective and Objective Criteria. Theories of Public Expenditure: Wagner and Keynes. Theory of Social Goods: the distinction between public, private and merit goods. Canons of public expenditure; Classification of public expenditure: obligatory and optional expenditure, revenue and capital expenditure, development and non-development expenditure, plan and non-plan expenditure, productive and unproductive expenditure. Public expenditure and economic growth.

UNIT–II

Effects of public expenditure on production, distribution, social overhead capital, stability and Innovation. Criteria of Public Expenditure.

Theory of public revenue: Theories of Taxation Benefits Principle; Cost of Service Principle; Ability to Pay Theory; Principle of Equity. Effects of taxation.

UNIT–III

Analysis of major taxes: income tax, expenditure tax, corporation tax, wealth tax, excise duties, sales tax, customs duties. The concept of taxable capacity, Taxation in a developing economy.

Fiscal incidence: theories of tax shifting, Concepts of impact and incidence. Measurement of incidence.

Public Debt: Role of Public Debt. Different forms of public debt. Significance and Burden of Public debt, Reduction of public debt, Debt management.

UNIT–IV

Budgetary Policy: Functional and economic classification of budgets and their uses. Performance budgets. Budget as an instrument of mobilization and canalization of resources and redistribution of income and wealth, Balance and unbalanced budgets.

Fiscal Federalism: Principles of federal finance. Development Financial: Functional Finance vs Development Finances, Mobilisation of financial resources for planned development. Centre-state financial relations. FRBM.

Suggested Readings:

1. Lekhi, R.K. and Singh, J. (2015) *Public finance* Kalyani Publisher.

2. Tyagi, B.P. (2015), *Public Finance*, Jai Prakash Nath & Company, Meerut.

Note: The latest editions of the books are recommended..

B.A./B.Sc.(Eco.) (Economics Honours)

OPT-3 (History of Economic Thought)

Course outcomes:

After passing this course, students will be able to:

CO1: understand key models and concepts of the history of economic thought.

CO2: produce simple appreciations of the history of economic thought texts.

CO3: understand the development of economic thought in the context of the evolving global economy and from a historical perspective.

B.A./B.Sc. (Eco.) (Economics Honours)

OPT-3: History of Economic Thought

Time: 3 Hours

L-T-P (Credits): 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Mercantilism: Main ideas and principles: Petty, Hume and Cantillon; Physiocracy: Natural Order, Net product and Tableau Economique.

The Classical School: Adam Smith and Ricardo – Value, Distribution, International Trade; J.S .Mill on Markets; Malthusian theory of population and gluts.

UNIT–II

The Socialists and the Historical School: Saint Simon; Sismondi and Proudhon – Critics of classicism; The German and the British Historical School.

Marxian Economics: Marxian philosophy; Theory of value and surplus value; theory of development and business cycles; Marx and underdeveloped economies.

UNIT–III

The Austrian and the Marginalist School: Gossen; J.B. Clark; Carl Merger; Jevoes; Wieser,Bohm–Bawerk and the marginalist revolution; Salient features of subjectivism and marginalism.

The Neo-classical School and Marshallian Economics: Wicksteed and Wicksell on theory of distribution and theory of capital; Marshallian value and distribution.

UNIT–IV

Institutional and Welfare economics: Vilfredo Pareto; Thorstein Veblen; Hobson; A.C. Pigou and K. Arrow. Keynesian and Post Keynesian Economics: Consumption function; multiplier; theory of interest and investment; business cycles; Keynes vs classicals ; Patinkin and Friedman on quantity theory of money; Hayek and Hicks as business cycles; Kaldor and Joan Robinson on growth and distribution.

Suggested Readings:

1. Haney, History of Economic Thought, Surjeet Publicaions, Delhi.
2. Blaug, M., Economic Theory in Retrospect, Cambridge Uni. Press.
3. Schumpeter, J., History of Economic Analysis, George Allen &Unwin, London.

Note: The latest editions of the books are recommended..

B.A./B.Sc. (Eco.) (Economics Honours)

OPT-4: International Economics

Course outcomes:

After passing this course students will be able to:

CO1: understand the economic relationship between countries, covering trade and monetary issues.

CO2: understand the role of tariff, non-tariff barriers economic integration in influencing International trade.

CO3: understand the balance of payment problems and the exchange rate determination.

CO4: understand the critical aspects of current policies and environment, issues of international liquidity and review the financial crisis.

B.A. / B.Sc. (Eco.) (Economics Honours)

OPT-4: International Economics

Time: 3 Hours

L-T-P (Credits): 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

The Pure Theory of International Trade: Theories of Absolute Advantage, Comparative Advantage and Opportunity costs, Heckscher Ohlin Theory, Factor Price Equalization.

Gains from trade, their measurement and distribution. Terms of trade, Secular deterioration hypothesis.

UNIT–II

Commercial Policy: The theory of Tariffs, Optimum and effective rate of tariff. Non-tariff barriers to trade. Interrelationship between trade, aid and economic development. The forms of economic integration among nations, the theory of customs union.

UNIT–III

Meaning, concept and the Process of adjustment in the balance of payments. The concept of Foreign Trade multiplier.

Concept of equilibrium exchange rate, theories for determination of exchange rate, Fixed vs. Flexible exchange rate.

UNIT–IV

Current problems of Trade and finance of developing countries. Role of Multinational corporations in developing countries.

Problems of International liquidity, I.M.F., SDRs. Proposals for international monetary reforms. New international Economic order. Euro-dollar and Euro-currency market and developing countries. East Asia: Success and Crisis.

Suggested Readings:

1. Sodersten, B.O. (1991), International Economics, IInd Editions, Macmillan Press Ltd., London.
2. Salvatore, D.(1997), International Economics, New York, Macmillan, 1983.
3. Mithani, D.M. (2015), International Economics, Himalaya Publishing House, Delhi.
4. Aggarwal, M.R. (2002), International Institutions and Development in Developing Countries, Deep & Deep Publications, New Delhi.

Note: The latest editions of the books are recommended.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT-5 Industrial Economics

Course outcomes:

After passing this course, students will be able to:

- CO1:** understand the some advanced concepts and theories of industrial structure, conduct and performance
- CO2:** understand the different sources of industrial finance and their significance in evaluating firms' performance.
- CO3:** understand the role and basic models of advertisement expenditure and profitability and the role of R&D expenditure and innovations in the working of firms.
- CO4:** understand the Industrial policy and development process in India.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT-5: Industrial Economics

Time: 3 Hours

L-T-P (Credits): 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Nature and Scope of Industrial Economics: Framework and Problems; concepts and organisation of firm—ownership, control and objectives of the firm; optimum firm and conciliation of optima.

Market Structure: Meaning and Measurement; Sellers' concentration; Product differentiation; Entry condition and Economies of Scale; Market Structure, size and profitability.

UNIT–II

Market Conduct: Theories of industrial location – Weber and Sargent Florence; Factors affecting location. Product pricing – Theory and evidence; Investment expenditure: theory and methods of evaluating investment expenditure. Theories and evidence on mergers and diversification.

Market Performance: Growth of the firm and constraints; size, growth and profitability; Productivity and Capacity utilization – Concept and measurement.

UNIT–III

Industrial Finance: Short vs. long term, and internal vs. external sources of firm's finance; firm's financial and capital structure; Financial ratios; debt-equity ratio; Role of commercial and industrial development banks; firms' finance and capital markets.

Advertising Expenditure: Nature and type of advertising; models of optimum advertising allocations in firms; market structure, advertising expenditure and profitability; Effects of firm's advertising.

UNIT–IV

Innovation and R&D: Concepts, importance and measurement; market structure and innovation and R&D; Diffusion of industrial technologies; transfer of technology from lab to industry and commercialisation of innovations; international transfer of technology.

Industrial Structure and economic development; the process of industrialization—rationale, objectives, strategies, and policies; the employment implications of industrialization; public policy and industrialization; industrial development and policy in India.

Suggested Readings:

1. Bains, J.S Industrial Organization, Cheltenham, U.K: *An Elgar critical Writing Reader*, 1996.
2. Barthwal R.R., *Industrial Economics: An Introductory Text*, Wiley Eastern, New Delhi.
3. Dutt and Sundaram (2016), *Indian economy*, S. Chand Publications, New Delhi.
4. Dhar P.K. (2016), *Indian Economy: Its Growth and Dimensions*, Kalyani Publications.

Note: The latest editions of the books are recommended..

B.A./B.Sc. (Eco.) (Economics Honours)

OPT-6 Economics of Agriculture

Course outcomes:

After passing this course, students will be able to:

CO1: understand the nature, Scope and Role of agriculture in economic development

CO2: understand the various Models of agriculture economics.

CO3: analyse trends in production and productivity in the green revolution and post-green revolution era .

CO4: understand the concept of Agricultural Finance& Agricultural credit and also understand the concept of agriculture marketing, marketable surplus and surplus labour.

B.A. /B.Sc.(Eco.) (Economics Honours)

OPT –6: Economics Of Agriculture

Time: 3 Hours

L-T-P (Credits): 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setters:

Two questions, each carrying 16 marks, from each of Units I-IV (i.e. a total of eight Questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Economics of Agriculture: Its Nature & Scope; Need for separate study of Agricultural Economics; Role of agriculture in economic development. Nature and problems of agricultural development in developing economies. Inter-dependence of agriculture and industry, Resources in agriculture: Land, its characteristics, factors affecting productivity of land, Importance of land in agriculture; Labour and its characteristics, efficiency of labour; capital and its characteristics.

UNIT–II

Transforming traditional agriculture– Schultz’s approach, ‘The poor but efficient hypothesis’, Doctrine of zero value of labour in agriculture, Market approach v/s command approach, Lewis, Ranis and Fei models, Mellor’s and Boserup’s theories of agriculture development. Terms of trade between agriculture and industry. Economic development and the declining importance of agriculture.

UNIT–III

Systems of farming, Land reforms: The theoretical issues, Farm size and productivity relationship, Risk and uncertainty in agriculture.

Agricultural price policy in India, New Agricultural Strategy and green revolution, Supply response in agriculture.

UNIT–IV

Problems of small farmers and agricultural labourers in India. Agricultural credit, Source of credit, Role of moneylenders, Problems of agricultural credit. Rural indebtedness.

Agricultural marketing, marketable surplus, surplus labour and its utilisation. Agricultural Taxation.

Suggested Readings:

1. Gupta, P.K. (2020), *Agricultural Economics*, Vrinda publications.
2. Lekhi, R.K. and Singh, J. (2018), *Agricultural Economics (An Indian Perspective)* Kalyani Publishers
3. Soni, R.N. and Malhotra. S (2015),: *Leading issues in Agricultural Economics*.

Note: The latest editions of the books are recommended..

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT-7 Agricultural Marketing

Course outcomes:

After passing this course, students will be able to:

CO1: Describe different marketing activities and services that take place in agricultural commodities go from the farm gate to the plate.

CO2: Comment on agricultural trade, policies, trade barriers, and national organisations and agreements.

CO3: Explain the importance of commodity varieties and qualities, and marketing place and time.

CO4: Differentiate among the different market intermediaries.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT –7: Agricultural Marketing

Time: 3 Hours

L-T-P (Credits): 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Definition and Scope of agricultural marketing, Marketed and marketable surplus, factors affecting marketable surplus, Size distribution of marketable surplus.

Nature of demand and supply of agricultural commodities, Process of agricultural marketing, Functions of marketing.

UNIT–II

Mobilisation of agricultural surplus, terms of trade between agriculture and industry, Problems to agricultural marketing, Measures to improve agricultural marketing.

Income & Price elasticities of agricultural commodities, cob–Webb model, Movement of the surplus to the markets, Public Distribution System.

UNIT–III

Structure and functioning of agricultural markets, Legal framework of agricultural marketing, marketing margin, Financing of Agricultural Marketing. Marketing efficiency, need for an efficient system of agricultural marketing, measures to improve marketing efficiency, Criteria for judging the efficiency of the system of agricultural marketing, the efficiency of agricultural marketing in India, and measures to improve the efficiency of agricultural marketing in India.

UNIT-IV

Food grains marketing system in India, Forward trading, State intervention in Food grains marketing. Role of different agencies (F.C.I. state Agencies, State Department), Buffer stocks.

Role and importance of market intelligence, marketing of major–agricultural commodities in India (Foodgrain, commercial crops). MSP, Role of price policy, main elements of price policy.

Price expectations and price uncertainties, price stabilisation measures.

Suggested Readings:

1. Memoria, C.B.: Principles and Practice of Marketing in India.
2. Jain, S.C.: Principles and Practice of Agricultural Marketing in India.
3. Noore, J.R.Johl, S.S. &Khusro A.M.; Indian Foodgrains Marketing.
4. Piston, C.: Agricultural Economic– Policy.
5. Shepherd, C.S.: Marketing Farm products–Economics Analysis.

Note: The latest editions of the books are recommended.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT-8 Economics of Public Enterprises

Course outcomes:

After passing this course, students will be able to:

CO1: understand the role of the public sector in economic development, objectives, scope and growth of the public sector in India.

CO2: compare the features, merits and demerits of different forms of public enterprises.

CO3: understand the management of public enterprises and personnel management in public enterprises.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT –8: Economics of Public Enterprises

Time: 3 Hours

L-T-P (Credits): 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Public Enterprises: Concepts, characteristics, difference between public and private enterprises.

Historical perspective of the public sector in India.

Role in socio-economic development and relation of public enterprises. Multiple objectives of public enterprises. Clash and complementarity in objectives.

UNIT–II

Growth of Public Enterprises in India: Role of public sector financial institutions in the financing of public enterprises. Sources of funds of public enterprises. Debt and equity.

Problems of management of working capital. Management of inventory, credit and cash financing of working capital.

UNIT–III

Pricing in Public Sector: Basis and types of pricing policies, machinery of price fixation. Marginal cost and full cost pricing, Discriminatory pricing. Role of B.L.C. and P.

Working of Public Enterprises in India – Accountability of public enterprises. Control, audit, annual reports, consumer organization, public accountability.

UNIT–IV

Efficiency and Performance Evaluation: Profitability of public enterprises. Causes of poor financial performance of public sector in India. Performance budgeting.

Industrial relations and its importance. Industrial relations policy. Industrial disputes – causes ,effects and machinery for settlement. Workers Participation in Management. Disinvestment in public enterprises – Rationale and scope.

Suggested Readings:

1. Jagdish Prakash, *Administration of Public Enterprises in India*, Himalaya Publishing House.
2. Khera, S.S., *Management and Control in Public Enterprises*.
3. Narain Laxmi: *Principles and Practice of Public Enterprises Management*, Ajanta Publications, New Delhi, 1981.

Note: The latest editions of the books are recommended..

B.A./B.Sc. (Eco.) (Economics Honours)

OPT-9 Econometrics

Course outcomes:

After passing this course, students will be able to:

CO1: understand the nature and methodology of econometrics.

CO2: understand the basic procedure of estimation of the model and problems associated with it.

CO3: to perform tests of significance and estimate distributed lag models, production functions and some important macroeconomic functions.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT-9: Introduction to Econometrics

Time: 3 Hours

L-T-P (Credits): 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Basic Estimation Theory: Definition and scope of econometrics. Relationship of econometrics with economic statistics and mathematical statistics, Different stages involved in an econometric research programme, Specifications and estimation of an econometric model, Sources and assumptions of disturbance terms. Evaluation of the parameter estimates. Random variables and probability distribution. Basic facts about estimation. Unbiasedness, efficiency and consistency. Maximum likelihood estimation.

UNIT-II

Testing of Hypothesis: Basic concept. Type I and II errors. Simple and composite hypotheses. Z, t, chi-square and F tests.

Single Equation Models: Estimation and Problems: Simple linear regression model and the general linear model (in matrix form), testing the significance of individual coefficients and groups of coefficients through ANOVA–technique, Chow’s test.

UNIT-III

Problems of heteroscedasticity, autocorrection and multicollinearity – their nature, consequences, detection and remedial measures.

Dummy variables: Concept and various uses. The dummy variable trap, Interpretation of slope and intercept Dummies.

UNIT-IV

Distributed Lagged models. Partial adjustment model, Koyck transformation. Statistical estimation of simple demand and supply functions.

Concept of production functions; statistical estimation of Cobb-Douglas and CES, production functions; some macroeconomic functions like consumption function, investment functions and the demand for money function.

Suggested Readings:

Suggested Readings:

1. Gujarati, D.N (2002), *Basic Econometrics*, McGraw Hill, New Delhi.
2. Koutsoyiannis, A (2001), *Theory of Econometrics*, The Macmillan Press Ltd., London

Note: The latest editions of the books are recommended..

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

Bachelor of Arts/Bachelor of Science (Economics)

Semester V-VI

in

Economics (Honours)

(Under Continuous Evaluation System)

(12+3 System of Education)

Session: 2024–25



The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATION OF

Bachelor of Arts/Bachelor of Science (Economics): – Semester: V and VI

Economics (Honours)

Semester V							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BARL-5609/ BECL-5607 (OPT-__)	Economics (Hons)	E	100	80	--	20	3

Semester VI							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BARL-6609/ BECL-6607 (OPT-__)	Economics (Hons)	E	100	80	--	20	3

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATION OF

Bachelor of Arts/Bachelor of Science (Economics): – Semester V and VI

Any one of the following options:

Sr. No.	Course Title
OPT-1	Money and Banking
OPT-2	Public Finance
OPT-3	History of Economic Thought
OPT-4	International Economics
OPT-5	Industrial Economics
OPT-6	Economics of Agriculture
OPT-7	Agriculture Marketing
OPT-8	Economics of Public Enterprises
OPT-9	Introduction to Econometrics

**NOT
E:-
The
stude
nt
who
wishes
to
opt
for
B.A.
(Hons**

.) in Economics will take one option in

each semester out of nine options not already opted for.

B.A. / B.Sc. (Eco.) (Economics Honours)

OPT-1: MONEY AND BANKING

Course outcomes:

After passing this course, students will be able to:

CO1: demonstrate an understanding of the nature of money and several key models and concepts of monetary economics.

CO2: understand the structure of interest rates and the interest rate policy of the banks.

CO3: understand the role of banks and non-banks in modern monetary economies and Financial Intermediation.

CO 4: understanding of monetary policy in influencing credit system and the role of international institutions in international monetary cooperation.

B.A. / B.Sc. (Eco.) (Economics Honours)
OPT-I: MONEY AND BANKING

Time: 3 Hours

Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Money: Nature, Kinds, Functional, Near Money, Broader Definition of Money. Measures of Money Supply in India.

Demand for Money: Quantity and Cash Balance Theories of Money, Keynesian Theory of Money, Don Patinkin, Friedman and Gurley Shaw Approaches.

UNIT-II

Structure and Rate of Interest Approaches, Structure of Interest Rates and Interest Rate Policy in India. IS and LM Functions. Neutrality of Money. Integration of Theory of Value and Theory of Money.

UNIT-III

Commercial Banks: Their Systems and Functions, Credit Creation and Structure of Commercial Banks in India.

Central Banking: Functions and Techniques of Monetary Management. Non-banking Financial Institutions: Role and Functions.

UNIT-IV

Monetary Policy in India: Objectives, Instruments and Limitations of Credit Control by the Policy in India.

International Monetary Co-operation: International Monetary Fund, International Bank for Reconstruction Developments, International Finance Corporation. International Development Association and Asian Development Bank.

Suggested Readings:

1. Lockett, D.G. (1976), *Money and Banking*, McGraw Hill, New York.
2. Thorn, R.S.(1976), *Introduction to Money and Banking*, Harper and Row, New York.
3. Gupta, S.B. (1997), *Monetary Planning in India*, Oxford University Press, Delhi.
4. Paul, R.R. (2018), *Monetary Economics*, Kalyani Publishers, New Delhi.

Note: The latest editions of the books are recommended.

B.A. / B.Sc. (Eco.) (Economics Honours)

OPT-2: Public Finance

Course outcomes:

After passing this course, students will be able to:

CO1: analyze the functioning of modern public finance and classify public revenues and expenditures through the budget

CO2: understand the effects of public expenditure and public revenue on production, distribution, social overhead capital, stability and Innovation.

CO3: to understand the burden and significance of public debt and the role of major taxes in developing the economy.

CO4: to analyse the instruments and objectives of budgetary policy and the principles of fiscal federalism.

B.A. / B.Sc. (Eco.) (Economics Honors)

OPT-2: Public Finance

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Principles of Public Finance: Subjective and Objective Criteria. Theories of Public Expenditure: Wagner and Keynes. Theory of Social Goods: the distinction between public, private and merit goods. Canons of public expenditure; Classification of public expenditure: obligatory and optional expenditure, revenue and capital expenditure, development and non-development expenditure, plan and non-plan expenditure, productive and unproductive expenditure. Public expenditure and economic growth.

UNIT-II

Effects of public expenditure on production, distribution, social overhead capital, stability and Innovation. Criteria of Public Expenditure.

Theory of public revenue: Theories of Taxation Benefits Principle; Cost of Service Principle; Ability to Pay Theory; Principle of Equity. Effects of taxation.

UNIT-III

Analysis of major taxes: income tax, expenditure tax, corporation tax, wealth tax, excise duties, sales tax, customs duties. The concept of taxable capacity, Taxation in a developing economy.

Fiscal incidence: theories of tax shifting, Concepts of impact and incidence. Measurement of incidence.

Public Debt: Role of Public Debt. Different forms of public debt. Significance and Burden of Public debt, Reduction of public debt, Debt management.

UNIT-IV

Budgetary Policy: Functional and economic classification of budgets and their uses. Performance budgets. Budget as an instrument of mobilization and canalization of resources and redistribution of income and wealth, Balance and unbalanced budgets.

Fiscal Federalism: Principles of federal finance. Development Financial: Functional Finance vs Development Finances, Mobilisation of financial resources for planned development. Centre-state financial relations. FRBM.

Suggested Readings:

1. Lekhi, R.K. and Singh, J. (2015) *Public finance* Kalyani Publisher.

2. Tyagi, B.P. (2015), *Public Finance*, Jai Prakash Nath & Company, Meerut.

Note: The latest editions of the books are recommended..

B.A./B.Sc.(Eco.) (Economics Honours)

OPT-3 (History of Economic Thought)

Course outcomes:

After passing this course, students will be able to:

CO1: understand key models and concepts of the history of economic thought.

CO2: produce simple appreciations of the history of economic thought texts.

CO3: understand the development of economic thought in the context of the evolving global economy and from a historical perspective.

B.A./B.Sc. (Eco.) (Economics Honours)

OPT-3: History of Economic Thought

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Mercantilism: Main ideas and principles: Petty, Hume and Cantillon; Physiocracy: Natural Order, Net product and Tableau Economique.

The Classical School: Adam Smith and Ricardo – Value, Distribution, International Trade; J.S .Mill on Markets; Malthusian theory of population and gluts.

UNIT–II

The Socialists and the Historical School: Saint Simon; Sismondi and Proudhon – Critics of classicism; The German and the British Historical School.

Marxian Economics: Marxian philosophy; Theory of value and surplus value; theory of development and business cycles; Marx and underdeveloped economies.

UNIT–III

The Austrian and the Marginalist School: Gossen; J.B. Clark; Carl Merger; Jevoes; Wieser,Bohm–Bawerk and the marginalist revolution; Salient features of subjectivism and marginalism.

The Neo-classical School and Marshallian Economics: Wicksteed and Wicksell on theory of distribution and theory of capital; Marshallian value and distribution.

UNIT–IV

Institutional and Welfare economics: Vilfredo Pareto; Thorstein Veblen; Hobson; A.C. Pigou and K. Arrow.

Keynesian and Post Keynesian Economics: Consumption function; multiplier; theory of interest and investment; business cycles; Keynes vs classicals ; Patinkin and Friedman on quantity theory of money; Hayek and Hicks as business cycles; Kaldor and Joan Robinson on growth and distribution.

Suggested Readings:

1. Haney, History of Economic Thought, Surjeet Publications, Delhi.
2. Blaug, M., Economic Theory in Retrospect, Cambridge Uni. Press.
3. Schumpeter, J., History of Economic Analysis, George Allen &Unwin, London.

Note: The latest editions of the books are recommended..

B.A./B.Sc. (Eco.) (Economics Honours)

OPT-4: International Economics

Course outcomes:

After passing this course students will be able to:

CO1: understand the economic relationship between countries, covering trade and monetary issues.

CO2: understand the role of tariff, non-tariff barriers economic integration in influencing International trade.

CO3: understand the balance of payment problems and the exchange rate determination.

CO4: understand the critical aspects of current policies and environment, issues of international liquidity and review the financial crisis.

B.A. / B.Sc. (Eco.) (Economics Honours)

OPT-4: International Economics

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

The Pure Theory of International Trade: Theories of Absolute Advantage, Comparative Advantage and Opportunity costs, Heckscher Ohlin Theory, Factor Price Equalization. Gains from trade, their measurement and distribution. Terms of trade, Secular deterioration hypothesis.

UNIT-II

Commercial Policy: The theory of Tariffs, Optimum and effective rate of tariff. Non-tariff barriers to trade. Interrelationship between trade, aid and economic development. The forms of economic integration among nations, the theory of customs union.

UNIT-III

Meaning, concept and the Process of adjustment in the balance of payments. The concept of Foreign Trade multiplier. Concept of equilibrium exchange rate, theories for determination of exchange rate, Fixed vs. Flexible exchange rate.

UNIT-IV

Current problems of Trade and finance of developing countries. Role of Multinational corporations in developing countries. Problems of International liquidity, I.M.F., SDRs. Proposals for international monetary reforms. New international Economic order. Euro-dollar and Euro-currency market and developing countries. East Asia: Success and Crisis.

Suggested Readings:

1. Sodersten, B.O. (1991), International Economics, IInd Editions, Macmillan Press Ltd., London.
2. Salvatore, D.(1997), International Economics, New York, Macmillan, 1983.
3. Mithani, D.M. (2015), International Economics, Himalaya Publishing House, Delhi.
4. Aggarwal, M.R. (2002), International Institutions and Development in Developing Countries, Deep & Deep Publications, New Delhi.

Note: The latest editions of the books are recommended.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT-5 Industrial Economics

Course outcomes:

After passing this course, students will be able to:

- CO1:** understand the some advanced concepts and theories of industrial structure, conduct and performance
- CO2:** understand the different sources of industrial finance and their significance in evaluating firms' performance.
- CO3:** understand the role and basic models of advertisement expenditure and profitability and the role of R&D expenditure and innovations in the working of firms.
- CO4:** understand the Industrial policy and development process in India.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT-5: Industrial Economics

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Nature and Scope of Industrial Economics: Framework and Problems; concepts and organisation of firm—ownership, control and objectives of the firm; optimum firm and conciliation of optima.

Market Structure: Meaning and Measurement; Sellers' concentration; Product differentiation; Entry condition and Economies of Scale; Market Structure, size and profitability.

UNIT–II

Market Conduct: Theories of industrial location – Weber and Sargent Florence; Factors affecting location. Product pricing – Theory and evidence; Investment expenditure: theory and methods of evaluating investment expenditure. Theories and evidence on mergers and diversification.

Market Performance: Growth of the firm and constraints; size, growth and profitability; Productivity and Capacity utilization – Concept and measurement.

UNIT–III

Industrial Finance: Short vs. long term, and internal vs. external sources of firm's finance; firm's financial and capital structure; Financial ratios; debt-equity ratio; Role of commercial and industrial development banks; firms' finance and capital markets.

Advertising Expenditure: Nature and type of advertising; models of optimum advertising allocations in firms; market structure, advertising expenditure and profitability; Effects of firm's advertising.

UNIT–IV

Innovation and R&D: Concepts, importance and measurement; market structure and innovation and R&D; Diffusion of industrial technologies; transfer of technology from lab to industry and commercialisation of innovations; international transfer of technology.

Industrial Structure and economic development; the process of industrialization—rationale, objectives, strategies, and policies; the employment implications of industrialization; public policy and industrialization; industrial development and policy in India.

Suggested Readings:

1. Bains, J.S Industrial Organization, Cheltenham, U.K: *An Elgar critical Writing Reader*, 1996.
2. Barthwal R.R., *Industrial Economics: An Introductory Text*, Wiley Eastern, New Delhi.
3. Dutt and Sundaram (2016), *Indian economy*, S. Chand Publications, New Delhi.
4. Dhar P.K. (2016), *Indian Economy: Its Growth and Dimensions*, Kalyani Publications.

Note: The latest editions of the books are recommended..

B.A./B.Sc. (Eco.) (Economics Honours)

OPT-6 Economics of Agriculture

Course outcomes:

After passing this course, students will be able to:

CO1: understand the nature, Scope and Role of agriculture in economic development

CO2: understand the various Models of agriculture economics.

CO3: analyse trends in production and productivity in the green revolution and post-green revolution era .

CO4: understand the concept of Agricultural Finance& Agricultural credit and also understand the concept of agriculture marketing, marketable surplus and surplus labour.

B.A. /B.Sc.(Eco.) (Economics Honours)

OPT –6: Economics of Agriculture

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setters:

Two questions, each carrying 16 marks, from each of Units I-IV (i.e. a total of eight Questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Economics of Agriculture: Its Nature & Scope; Need for separate study of Agricultural Economics; Role of agriculture in economic development. Nature and problems of agricultural development in developing economies. Inter-dependence of agriculture and industry, Resources in agriculture: Land, its characteristics, factors affecting productivity of land, Importance of land in agriculture; Labour and its characteristics, efficiency of labour; capital and its characteristics.

UNIT–II

Transforming traditional agriculture– Schultz’s approach, ‘The poor but efficient hypothesis’, Doctrine of zero value of labour in agriculture, Market approach v/s command approach, Lewis, Ranis and Fei models, Mellor’s and Boserup’s theories of agriculture development. Terms of trade between agriculture and industry. Economic development and the declining importance of agriculture.

UNIT–III

Systems of farming, Land reforms: The theoretical issues, Farm size and productivity relationship, Risk and uncertainty in agriculture.

Agricultural price policy in India, New Agricultural Strategy and green revolution, Supply response in agriculture.

UNIT–IV

Problems of small farmers and agricultural labourers in India. Agricultural credit, Source of credit, Role of moneylenders, Problems of agricultural credit. Rural indebtedness.

Agricultural marketing, marketable surplus, surplus labour and its utilisation. Agricultural Taxation.

Suggested Readings:

1. Gupta, P.K. (2020), *Agricultural Economics*, Vrinda publications.
2. Lekhi, R.K. and Singh, J. (2018), *Agricultural Economics (An Indian Perspective)* Kalyani Publishers
3. Soni, R.N. and Malhotra. S (2015),: *Leading issues in Agricultural Economics*.

Note: The latest editions of the books are recommended..

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT-7 Agricultural Marketing

Course outcomes:

After passing this course, students will be able to:

CO1: Describe different marketing activities and services that take place in agricultural commodities go from the farm gate to the plate.

CO2: Comment on agricultural trade, policies, trade barriers, and national organisations and agreements.

CO3: Explain the importance of commodity varieties and qualities, and marketing place and time.

CO4: Differentiate among the different market intermediaries.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT –7: Agricultural Marketing

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Definition and Scope of agricultural marketing, Marketed and marketable surplus, factors affecting marketable surplus, Size distribution of marketable surplus.

Nature of demand and supply of agricultural commodities, Process of agricultural marketing, Functions of marketing.

UNIT–II

Mobilisation of agricultural surplus, terms of trade between agriculture and industry, Problems to agricultural marketing, Measures to improve agricultural marketing.

Income & Price elasticities of agricultural commodities, cob–Webb model, Movement of the surplus to the markets, Public Distribution System.

UNIT–III

Structure and functioning of agricultural markets, Legal framework of agricultural marketing, marketing margin, Financing of Agricultural Marketing. Marketing efficiency, need for an efficient system of agricultural marketing, measures to improve marketing efficiency, Criteria for judging the efficiency of the system of agricultural marketing, the efficiency of agricultural marketing in India, and measures to improve the efficiency of agricultural marketing in India.

UNIT-IV

Food grains marketing system in India, Forward trading, State intervention in Food grains marketing. Role of different agencies (F.C.I. state Agencies, State Department), Buffer stocks.

Role and importance of market intelligence, marketing of major–agricultural commodities in India (Foodgrain, commercial crops). MSP, Role of price policy, main elements of price policy.

Price expectations and price uncertainties, price stabilisation measures.

Suggested Readings:

1. Memoria, C.B.: Principles and Practice of Marketing in India.
2. Jain, S.C.: Principles and Practice of Agricultural Marketing in India.
3. Noore, J.R.Johl, S.S. &Khusro A.M.; Indian Foodgrains Marketing.
4. Piston, C.: Agricultural Economic– Policy.
5. Shepherd, C.S.: Marketing Farm products–Economics Analysis.

Note: The latest editions of the books are recommended.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT-8 Economics of Public Enterprises

Course outcomes:

After passing this course, students will be able to:

CO1: understand the role of the public sector in economic development, objectives, scope and growth of the public sector in India.

CO2: compare the features, merits and demerits of different forms of public enterprises.

CO3: understand the management of public enterprises and personnel management in public enterprises.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT –8: Economics of Public Enterprises

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT–I

Public Enterprises: Concepts, characteristics, difference between public and private enterprises.

Historical perspective of the public sector in India.

Role in socio-economic development and relation of public enterprises. Multiple objectives of public enterprises. Clash and complementarity in objectives.

UNIT–II

Growth of Public Enterprises in India: Role of public sector financial institutions in the financing of public enterprises. Sources of funds of public enterprises. Debt and equity.

Problems of management of working capital. Management of inventory, credit and cash financing of working capital.

UNIT–III

Pricing in Public Sector: Basis and types of pricing policies, machinery of price fixation. Marginal cost and full cost pricing, Discriminatory pricing. Role of B.L.C. and P.

Working of Public Enterprises in India – Accountability of public enterprises. Control, audit, annual reports, consumer organization, public accountability.

UNIT–IV

Efficiency and Performance Evaluation: Profitability of public enterprises. Causes of poor financial performance of public sector in India. Performance budgeting.

Industrial relations and its importance. Industrial relations policy. Industrial disputes – causes ,effects and machinery for settlement. Workers Participation in Management. Disinvestment in public enterprises – Rationale and scope.

Suggested Readings:

1. Jagdish Prakash, *Administration of Public Enterprises in India*, Himalaya Publishing House.
2. Khera, S.S., *Management and Control in Public Enterprises*.
3. Narain Laxmi: *Principles and Practice of Public Enterprises Management*, Ajanta Publications, New Delhi, 1981.

Note: The latest editions of the books are recommended..

B.A./B.Sc. (Eco.) (Economics Honours)

OPT-9 Introduction to Econometrics

Course outcomes:

After passing this course, students will be able to:

CO1: understand the nature and methodology of econometrics.

CO2: understand the basic procedure of estimation of the model and problems associated with it.

CO3: to perform tests of significance and estimate distributed lag models, production functions and some important macroeconomic functions.

B.A. /B.Sc. (Eco.) (Economics Honours)

OPT-9: Introduction to Econometrics

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Basic Estimation Theory: Definition and scope of econometrics. Relationship of econometrics with economic statistics and mathematical statistics, Different stages involved in an econometric research programme, Specifications and estimation of an econometric model, Sources and assumptions of disturbance terms. Evaluation of the parameter estimates. Random variables and probability distribution. Basic facts about estimation. Unbiasedness, efficiency and consistency. Maximum likelihood estimation.

UNIT-II

Testing of Hypothesis: Basic concept. Type I and II errors. Simple and composite hypotheses. Z, t, chi-square and F tests.

Single Equation Models: Estimation and Problems: Simple linear regression model and the general linear model (in matrix form), testing the significance of individual coefficients and groups of coefficients through ANOVA–technique, Chow’s test.

UNIT-III

Problems of heteroscedasticity, autocorrelation and multicollinearity – their nature, consequences, detection and remedial measures.

Dummy variables: Concept and various uses. The dummy variable trap, Interpretation of slope and intercept Dummies.

UNIT-IV

Distributed Lagged models. Partial adjustment model, Koyck transformation. Statistical estimation of simple demand and supply functions.

Concept of production functions; statistical estimation of Cobb-Douglas and CES, production functions; some macroeconomic functions like consumption function, investment functions and the demand for money function.

Suggested Readings:

Suggested Readings:

1. Gujarati, D.N (2002), *Basic Econometrics*, McGraw Hill, New Delhi.
2. Koutsoyiannis, A (2001), *Theory of Econometrics*, The Macmillan Press Ltd., London

Note: The latest editions of the books are recommended..

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS of Bachelor of Arts/ Bachelor of Science with Additional / Optional Course in Banking (Semester I - IV)

(Under Credit Based Continuous Evaluation Grading System)

Session: 2024-25



**The Heritage Institution
KANYA MAHA VIDYALAYA
JALANDHAR
(Autonomous)**

B.Sc. (Economics) with Banking as an Additional Optional Subject

Students can opt for banking as an additional subject. In all semesters students have to study one additional paper on banking. The program aims to build a solid knowledge base in all aspects related to banking regulation, financial structure along with economic principles and issues.

Upon successful completion of this course, students will be able to:

- PSO1:** develop mathematical, logical, and analytical abilities.
- PSO2:** critically reflect on the causes and consequences of financial and banking crises.
- PSO3:** prepare banking P.O. exams and take leadership & managerial roles in banking.

**SCHEME AND CURRICULUM OF BACHELOR OF ARTS/ BACHELOR OF SCIENCE
WITH ADDITIONAL / OPTIONAL COURSE IN BANKING**

Credit Based Continuous Evaluation Grading System (CBCEGS)

Session 2024-25

BANKING

		Semester I								
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BARL-1026 / BECL-1026	BANKING (Banking and Basic operations)	O	4-0-0	4-0-0	4	100	80	--	20	3

O-Optional

BANKING

		Semester I I								
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BARL-2026 / BECL-2026	BANKING (Reasoning and Mental Ability)	O	4-0-0	4-0-0	4	100	80	--	20	3

BANKING

		Semester III								
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BARL-3026 / BECL-3026	BANKING (General Awareness)	O	4-0-0	4-0-0	4	100	80	--	20	3

BANKING

		Semester IV								
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BARL-4026 / BECL-4026	BANKING (Financial Markets and Institutions)	O	4-0-0	4-0-0	4	100	80	--	20	3

Bachelor of Arts/ Bachelor of Science with Additional / Optional Course in Banking

Semester-I

Session 2024-25

Course Code: BARL-1026 / BECL-1026

BANKING (Banking and Basic Operations)

Course outcomes:

After passing this course, students will be able to:

CO1: understand the structure of the banking sector and the working of basic banking operations.

CO2: analyze the impact of monetary policies on different sectors.

CO3: understand the role of digital banking in the monetary transactions system.

CO4: understand various types of loan schemes for household and industrial sectors.

Bachelor of Arts/Bachelor of Science with Additional/Optional Course in Banking

Semester I

Session 2024-25

Course Code: BARL-1026 / BECL-1026

BANKING (Banking and Basic operations)

Time: 2:00 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setters/Examiners:

Sixty Multiple Choice Questions (MCQs), fifteen from each of the four Units (I-IV) are to be set. Each question carries **2 marks**. Candidates are required to attempt Forty (**40**) MCQs, selecting at least eight (**8**) MCQs from each unit. The remaining seven (**8**) MCQs may be attempted from any Unit.

Unit –I

History of Banking, Types of Banks-Public Sector, Private Sector, and Foreign Banks, Cooperative Banking in India: History, Structure and its Working, Nationalization of Banking, Merger and Privatization of banks, Banking Regulation Act, Major Banking Reforms of 21st Century and Financial Inclusion, Important Commissions and Committees in Banking.

Unit II

Reserve Bank of India: History, Structure, Functions and Guidelines for the Regulations of Banks, Monetary Policy- Objectives and Instruments, Introduction to Basel norms.

Unit III

Banking operations: Types of Accounts, Various Negotiable Instruments, RTGS, MSF and NEFT, BHIM, and UPI, Payment Codes: MICR, IFSC, UTR, etc., e-banking.

Unit IV

Priority Sector Loans -: Common Guidelines for Priority Sector Loans with a focus on Agriculture, MSMEs and Education and Non-Performing Assets, Kisan Credit Card Scheme, Prime Minister Fasal Bima Yojana (PMFBY), MUDRA, National Equity Fund Scheme, Credit Cards for MSMEs.
Insurance: LIC, GIC, IRDAI, Insurance Law (Amendment Bill) 2015, Bancassurance
Post Office Saving Schemes

Suggested Readings:

1. Experts (2020), *Banking Awareness*, Arihant Publications, India.
2. Experts (2019), *Financial Awareness for Competitive Exam*, Disha Publication.
3. Gupta, R. (2014), *Guide to Banking General Awareness & Banking Aptitude Test*, Ramesh Publishing House, New Delhi.
4. Toor, N.S. (2019), *Handbook of Banking Information*, Skylark Publications, New Delhi.

Note: The latest editions of the books are recommended.

Bachelor of Arts/ Bachelor of Science with Additional / Optional Course in Banking
Semester-II
Session 2024-25
Course Code: BARL-2026 / BECL-2026
BANKING (Reasoning and Mental Ability)

Course outcomes:

After passing this course, students will be able to:

- CO1:** apply general mathematical models to solve a variety of problems.
- CO2:** use scientific reasoning to interpret psychological phenomena.
- CO3:** learn figures, images, and diagrams in problem-solving.
- CO4:** draw conclusions or make decisions in quantitatively based situations and analyze how do different situations affect the decisions?

Bachelor of Arts/ Bachelor of Science with Additional / Optional Course in Banking

Semester-II

Session 2024-25

Course Code: BARL-2026 / BECL-2026

BANKING (Reasoning and Mental Ability)

Time: 2:00 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setters/Examiners:

Sixty Multiple Choice Questions (MCQs), fifteen from each of the four Units (I-IV) are to be set. Each question carries **2 marks**. Candidates are required to attempt Forty (**40**) MCQs, selecting at least eight (**8**) MCQs from each unit. The remaining seven (**8**) MCQs may be attempted from any Unit.

UNIT I

Analogy: Number Analogy, Letter Analogy and Word Analogy.

Classification Test: Alphabet classification and Number Classification.

Series Completion: Prime Number, Difference, Multiplication, Division, Even and Odd Series, Letter Series, Alpha Numeric Series.

UNIT II

Coding and Decoding. Order and Ranking. Blood Relations. Direction Sense Test. Seating Arrangements (Linear, Circular, Square, Floor based).

UNIT III

Figures and Images -Odd figures, Mirror image, Water image, Paper cutting, Folding &Punching, Completion of Figural Series, Embedded figure, Cubes and Dice, Logical Venn Diagram.

UNIT IV

Logical Sequence of Words. Mathematical operations-BODMAS. Clock and Calendar.

Suggested Readings:

1. Aggarwal, R.S. (2000), *Modern Approach to Verbal and Non-Verbal Reasoning*, S. Chand Publications, Delhi.
2. Jha, R.K. (2020), *General Intelligence and Reasoning Test*, Arihant Publications, Meerut.

Note: The latest editions of the books are recommended.

Bachelor of Arts/ Bachelor of Science with Additional / Optional Course in Banking

Semester-III

Session 2024-25

Course Code: BARL-3026 / BECL-3026

Banking (General Awareness)

Course outcomes:

After passing this course, students will be able to:

CO1: understand the ancient, medieval, and modern history of India from the rise of the Indus Valley civilization to the freedom struggle.

CO2: understand the general concept of the constitutional framework, importance, and structure of the judiciary system.

CO3: Understand the Indian economy, the planning process in India, the tax structure, and the policies of the central government.

CO4: demonstrate in-depth familiarity with the current affairs related to social sciences.

Bachelor of Arts/Bachelor of Science with Additional/Optional Course in Banking

Semester-III

Session 2024-25

Course Code: BARL-3026 / BECL-3026

Banking (General Awareness)

Time: 2:00 hrs.

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

Internal Assessment: 20

Note: Instructions for the Paper–Setters/Examiners:

Sixty Multiple Choice Questions (MCQs), fifteen from each of the four Units (I-IV) are to be set.

Each question carries 2 marks. Candidates are required to attempt forty (40) MCQs, selecting at least eight (8) MCQs from each unit. The remaining eight (8) MCQs may be attempted from any Unit.

UNIT I

Indian History

Ancient History: The Indus Civilization- Harappan and Mohenjodaro, Vedic era.

Medieval history: Mahmud Ghaznavi, Delhi Sultanate, Mughal Dynasty.

Modern History: Establishment of Maratha Power, European powers, Foundation of British rule, Freedom Struggle.

UNIT II

Indian Polity

Indian constitution: Historical Background, Preamble, Articles and Schedules, Citizenship, Fundamental Rights, Fundamental Duties and Directive Principles of State Policy. Election Commission. Judiciary System- High Court and Supreme Court. National Symbols.

UNIT III

Indian Economy

Agriculture and Industrial policies of India. Planning- Five-year plans; NITI Aayog. Finance Commission. Taxation System- Direct taxes, Indirect taxes and GST. Fiscal Policy.

UNIT IV

Current Affairs: Annual Financial and Railway Budget, Introduction to Current Schemes and Policies implemented by Government, National and International Organizations: IMF, World Bank, ADB, ILO, UNO, UNESCO, SAARC, BRICS.

Important days and dates. Current Cabinet Ministers and Governors.

Suggested Readings:

1. Lucent's. (2021), *General Knowledge*, Lucent Publications.

2. Pandey, Manohar. (2021), *General Knowledge*, Arihant Publications.

Note: The latest editions of the books are recommended..

**Bachelor of Arts/ Bachelor of Science with Additional / Optional Course in Banking
(Semester IV)
Session 2024-25**

**Course Code: BARL-4026 / BECL-4026
Financial Markets and Institutions**

Course outcomes:

After passing this course, students will be able to:

CO1: learn various measures of money supply, and learn the instruments of the money market and its recent developments.

CO2: have in-depth knowledge of capital market and mutual funds.

CO3: learn the concepts of shares and debentures and the workings of the Securities Exchange Board of India.

CO4: analyze and compare the working of banking and non-banking financial institutions.

Bachelor of Arts/Bachelor of Science with Additional/Optional Course in Banking

(Semester IV)

Session 2024-25

Course Code: BARL-4026 / BECL-4026

Financial Markets and Institutions

Time: 2:00 hrs

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setters/Examiners:

Sixty Multiple Choice Questions (MCQs), **fifteen** from each of the four Units (I-IV) are to be set. Each question carries **2 marks**. Candidates are required to attempt forty **(40)** MCQs, selecting at least eight **(8)** MCQs from each unit. The remaining eight **(8)** MCQs may be attempted from any Unit.

UNIT I

Money Supply in India: M1, M2, M3, M4, L1, L2, L3.

Money Market in India: Functions, Instruments-Certificates of deposits, Commercial papers, Treasury Bills and Call Money Markets.

Recent developments in Money market: Money Market Mutual Fund (MMMFs), DFHI, Liquidity Adjustment Facility (LAF), Clearing Corporation of India (CCIL), Repurchase Transaction (REP) Reserve Bank Directions 2018.

UNIT II

Capital Markets in India: Instruments of Primary Market, Secondary Market and Derivatives Market.

Mutual Funds: Meaning, Concept and Types of Mutual Funds.

UNIT III

Shares, Equity and Performance Shares, Debentures and Bonds.

Security and Exchange Board of India (SEBI): Concept and its Working.

Bombay Stock Exchange, National Stock Exchange, Over the Counter Exchange of India.

UNIT IV

Financial Institutions: Functions and Objectives.

Financial institutions for Agriculture: Commercial Banks, Land Development Banks, Regional Rural Banks (RRBs), Co-operative Credit Societies, NABARD.

Financial Institutions for Industry: IFCI, IDBI, ICICI, SIDBI, EXIM.

Non-Banking Financial Companies: Types and RBI Directions for NBFCs.

Suggested Readings:

1. Experts (2020), *Banking Awareness*, Arihant Publications.
2. Experts (2016), *Financial Awareness for Competitive Exams*, Disha Publication.
3. Gupta, R.(2019), *Guide to Banking General Awareness & Banking Aptitude Test*, Ramesh Publishing House.
4. Toor, N.S. (2018), *Handbook of Banking Information*, Skylark Publications.

Note: The latest editions of the books are recommended.

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS of Bachelor of Arts/ Bachelor of Science with Additional / Optional Course in Banking (Semester V - VI) (Under Continuous Evaluation System)

Session: 2024-2025



**The Heritage Institution
KANYA MAHA VIDYALAYA
JALANDHAR
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATION OF
Bachelor of Arts/ Bachelor of Science
with Additional / Optional Course in Banking
Session: 2024-25

Semester V							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BARL-5026/ BECL-5026	Banking (Quantitative Aptitude- I)	O	100	80	--	20	2:00

O-Optional

Marks of these papers will not be added in total marks and only grades will be provided

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATION OF
Bachelor of Arts/ Bachelor of Science
with Additional / Optional Course in Banking
Session: 2024-25

Semester VI							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BARL-6026/ BECL-6026	Banking (Quantitative Aptitude- II)	O	100	80	--	20	2:00

O-Optional

Marks of these papers will not be added in total marks and only grades will be provided

Bachelor of Arts/Bachelor of Science with Additional/Optional Course in Banking

(Semester-V)

Session 2024-25

Course Code: BARL-5026/BECL-5026

Banking (Quantitative Aptitude-I)

Course outcomes:

After passing this course students will be able to:

CO1: To understand the basic concepts of quantitative ability like number series and number system.

CO2: Manage to solve problems related to profit and loss, Interest and averages.

CO3: learn short tricks to solve mathematical problems on speed, time and distance.

CO4: To understand various techniques to solve all types of problems related to data interpretation.

**Bachelor of Arts/Bachelor of Science with Additional/Optional Course in Banking
(Semester-V)**

Session 2022-20

Course Code: BARL-5026/BECL-5026

Banking (Quantitative Aptitude-I)

Time: 2:00 hrs

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setters/Examiners:

Sixty Multiple Choice Questions (MCQs), **fifteen** from each of the four Units (I-IV) are to be set. Each question carries **2 marks**. Candidates are required to attempt forty (**40**) MCQs, selecting at least eight (**8**) MCQs from each unit. The remaining eight (**8**) MCQs may be attempted from any Unit.

Unit I

Simplification
Number Series
Number System
LCM and HCF of numbers

Unit II

Profit & Loss
Interest: Simple and Compound
Average

Unit III

Problem on ages
Speed, Time and Distance
Time and Work

Unit IV

Data Interpretation: Tabular Chart, Line Graph, Bar Graph, Pie Chart, Mixed Graph.

Suggested Readings:

1. Aggarwal, R.S. (2020), '*Quantitative Aptitude*', S. Chand Publications.
2. Sharma, Arun. (2019), '*Teach Yourself Quantitative Aptitude*', McGraw Hill.
3. Tyra, M. (2018), '*Magical Book on Quicker Math's*', BSC Publishing Co Pvt Ltd.

Note: The latest edition of the books is recommended.

Bachelor of Arts/Bachelor of Science with Additional/Optional Course in Banking
(Semester-VI)
Session 2024-25
Course Code: BARL-6026/BECL-6026
Banking (Quantitative Aptitude-II)

Course outcomes:

After passing this course students will be able to:

CO1: To understand abstraction of mathematical problems using decimal fraction and roots.

CO2: Draw conclusions or make decisions in quantitatively based situations like solving ratio and proportion and on percentages.

CO3: Apply methods to evaluate areas and perimeters. Understand the concept of mixture and allegation.

CO4: Be in a better position to analyze and make sense of the numerical data given.

Bachelor of Arts/Bachelor of Science with Additional/Optional Course in Banking
(Semester-VI)
Session 20-2024
Course Code: BARL-6026/BECL-6026
Banking (Quantitative Aptitude-II)

Time: 2:00 hrs

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setters/Examiners:

Sixty Multiple Choice Questions (MCQs), **fifteen** from each of the four Units (I-IV) are to be set. Each question carries **2 marks**. Candidates are required to attempt forty (**40**) MCQs, selecting at least eight (**8**) MCQs from each unit. The remaining eight (**8**) MCQs may be attempted from any Unit.

Unit I

Decimal fraction
Square root & Cube root

Unit II

Ratio and Proportions
Percentages

Unit III

Area and Parameter Square, Triangle, Circle
Mixture and Allegation

Unit IV

Permutation and Combination
Basic Concepts of Probability

Suggested Readings:

4. Aggarwal, R.S. (2020), '*Quantitative Aptitude*,' S.Chand Publications.
5. Sharma, Arun. (2019), '*Teach Yourself Quantitative Aptitude*,' McGraw Hill.
6. Tyra, M. (2018), '*Magical Book on Quicker Maths*,' BSC Publishing Co Pvt Ltd.

Note: The latest edition of the books is recommended.

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

Master of Science (Economics)

Semester (I –II)

(Under Credit Based Continuous Evaluation Grading System)

Session: 2024-2025



The Heritage Institution

Kanya Maha Vidyalaya, Jalandhar

(Autonomous)

Program Specific Outcome – Master of Science (Economics)

M.Sc. Economics is two year post graduate course with five subjects in each semester. The basic objective of M.Sc. Economics is to develop strong theoretical base along with practical skills of students associated with economic theories and real world internal as well as international economic problems. This course will help to develop academicians, researchers, analysis, bankers and anchors

Upon successful completion of this course, students will be able to:

PSO1: have in depth understanding of the basic concepts and theories of various streams of Economics.

PSO2: learn basic and advance data analysis techniques and their theoretical base.

PSO3: learn and understand basic problems and issues of Indian and Punjab Economy.

PSO4: learn latest developments in different streams of Economics.

Programme outcome:

The advanced knowledge gained with the optimum combination of economic theory, quantitative techniques, computer & financial courses open various advanced career options for the students

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
Scheme and Curriculum of Examination of Two-Year Degree Program
Master of Science (Economics) (Session 2024-2025)
Credit Based Continuous Evaluation Grading System (CBCEGS)

Semester-I									
Course Code	Course Title	Course Type	Hours /Week	Credits	Marks				Examination time (in Hours)
					Total	Th	P	CA	
MECL-1171	Microeconomic Theory-1	C	4-1-0	4-1-0	100	80	-	20	3
MECL-1172	Macroeconomic Theory-1	C	4-1-0	4-1-0	100	80	-	20	3
MECL-1173	Statistical Techniques	C	4-1-0	4-1-0	100	80	-	20	3
MECL-1174	Public Economics	C	4-1-0	4-1-0	100	80	-	20	3
MECL-1175 (OPT-__)	Optional to be selected from Table 1	E	4-1-0	4-1-0	100	80	-	20	3
Total Credits		25							

Semester-II									
Course Code	Course Title	Cours e Type	Hours/ Week	Credits	Marks				Examination time (in Hours)
					Total	Th	P	CA	
MECL-2171	Mathematical Techniques	C	4-1-0	4-1-0	100	80	-	20	3
MECL-2172	Research Methodology	C	4-1-0	4-1-0	100	80	-	20	3
MECL-2173	Econometrics Techniques	C	4-1-0	4-1-0	100	80	-	20	3
MECL-2174	Field work and Report Writing	C	2-0-0	2-0-0	100	80	-	20	3
MECL-2175 (OPT-__)	Optional to be selected from Table 1	E	4-1-0	4-1-0	100	80	-	20	3
MECL-2176 (OPT-__)	Optional to be selected from Table 1	E	4-1-0	4-1-0	100	80	-	20	3
Total Credits		27							

Table 1						
Course Code	Course Title	Credits	CA	P	Th	Total Marks
OPT-I	Financial Institutions and Markets	4-1-0	20	-	80	100
OPT-II	Rural Economics	4-1-0	20	-	80	100
OPT-III	Economics of Environment	4-1-0	20	-	80	100

Master of Science (Economics) Semester – I

Session 2024-2025

Course Code: MECL-1171

Microeconomic Theory-I

Course outcomes:

After passing this course students will be able to:

- CO1:** understand basic economic problems related to choice and scarcity and elasticity of demand and supply.
- CO2:** analyze and demonstrate knowledge of the basic theories and functions in Production.
- CO3:** have an understanding of cost functions and revenue analysis under different market conditions.
- CO4:** study equilibrium under oligopoly and bilateral monopoly; parameters and models of growth performance a firm.

Master of Science (Economics) Semester – I
Session 2024-2025
Course Code: MECL-1171
Microeconomic Theory–I

Time: 3 Hours

L-T-P (Credits):4-1-0

Max. Marks: 100

Theory: 80

CA: 20

Instructions for the Paper Setters:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Nature of economic theory. Theory of demand and supply. Elasticities of demand–theoretical and empirical aspects and their relationship, Utility approach, Indifference curve and revealed preference approach, Revision of demand theory by Hicks. Consumer’s choice involving risk: describing risk, preference towards risk, the demand for risky assets; Consumer’s behavior under asymmetric information; implications of asymmetric information

UNIT-II

Production function–Isoquants, producer’s equilibrium, returns to factor and returns to scale, factor substitution, Euler’s theorem. Cobb–douglas, CES and Translog production functions. Technological progress and production functions.

UNIT-III

Traditional and modern theories of costs–a comparison. Derivation of cost functions from production functions. Revenue analysis, price and output determination under perfect competition, monopoly, monopolistic competition.

UNIT-IV

Oligopoly–collusive and non–collusive models of oligopoly, Bilateral monopoly; workable competition –structure, conduct and performance norms.

Alternative theories of the firm –Baumol’s sales maximization hypothesis, Marris model, Williamson’s model, limit price model, full cost and behavioral models of the firm.

A Case study on elasticity/laws of utility.

Suggested Readings:

1. Henderson & Quandt: Microeconomic Theory, A Mathematical Approach, McGraw-Hill, New York, 1978.
2. Koutsoyiannis A.: Modern Microeconomics, Macmillan Press, London, 1979.
3. Heath field & Wibe: An Introduction to Cost and Production Functions, Macmillan Press, London, 1979.
4. Layard & Walters: Microeconomics Theory, Mc Graw-Hill, New York, 1978.
5. Naylor & Vernon: Microeconomics and Decisions Models of the Firm, W. Norton, New York, 1996.
6. Ferguson, C. E.: Microeconomics Theory, Prentice Hall, 1978.
7. Dacosta, G.C.: Value and Distribution, Himalaya Publication, 1992.

Master of Science (Economics) Semester – I
Session 2024-2025
Course Code: MECL-1172
Macroeconomic Theory-I

Course outcomes:

After passing this course students will be able to:

CO1: understand the basics concepts of national income and its measurement.

CO2: understand the basics models of income determination and concept of multiplier

CO3: understand the introductory theories of consumption

CO4: understand the basics of money supply and theories of demand for money

Master of Science (Economics) Semester – I

Session 2024-2025

Course Code: MECL-1172

Macroeconomic Theory–I

Time: 3 Hours

L-T-P (Credits):4-1-0

Max. Marks: 100

Theory: 80

CA: 20

Instructions for the Paper Setters:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

National income: Concept–Production vs. non–productive activities, final vs. intermediate activities, Measurement and difficulties. Domestic and national product and their components. National income at factor cost and at market prices. Real and nominal GNP, GNP and welfare. Social accounting and its significance.

UNIT-II

The classical and Keynesian models of income determination, Overall equilibrium in the basic static model (goods, labour and money markets), Adjustment towards equilibrium. Wage-Price Flexibility: Classical Vs Keynesians Views. Balance budget multiplier.

UNIT-IV

Consumption: Keynesian consumption function. The consumption puzzle; Absolute income hypothesis, Relative income Hypothesis, Permanent Income Hypothesis, Life Cycle Hypothesis.

UNIT-III

Money: Concept of money; High powered money and money multiplier; control of money supply. Classical and Keynesian approach to demand for money; Post–Keynesian approaches to demand for money – Patinkin and the Real Balances Effect, Approaches of Baumol and Tobin; Friedman and modern quantity theory.

A Case study on Consumption function/demand for money.

Suggested Readings:

1. Beckman, W. An Introduction to National Income Analysis, London, E.L.B.S.1976.
2. Studenski, Paul, A., The Income of Nation spart2, Theory and Methodology, New York, UniversityPress,1958.
3. U.N. The System of National Accounts, Series F no.2, 1968.
4. Branson, W.H. Macroeconomic Theory and Policy, New York, Harper & Row,1972.
5. Ackley G. Macroeconomics Theory, New York, Macmillan,1969.
6. Dornbusch, E and S. Fischer Macroeconomics Auckland, McGraw Hill International,1981
7. Levacic, R Macroeconomics: The State and Dynamic Analysis of a Monetary Economy, London, Macmillan,1976.
8. Glahe, F.R. Macroeconomics: Theory and Policy, Harcourt Brace Jovanovich, NewYork,1973.
9. Crouch, R.L. Macroeconomics, New York, Harcourt Brace Jovanovich, New York,1972.
10. Evans, M.K. Macroeconomics Activity, Harper & Row Publishers, New York,1969

Master of Science (Economics) Semester – II
Session 2024-2025
Course Code: MECL-1173
Statistical Techniques

Course outcomes:

After passing this course students will be able to:

- CO1:** understand the co-variability among variables by using statistical techniques simple, partial and multiple correlation and prediction of dependent variable by using simple regression.
- CO2:** learn the techniques for forecasting and prediction by using multiple regression and non-linear growth curves
- CO3:** understand the concepts of probability in detail and theoretical distributions and also moment generating function
- CO4:** understand the methods of drawing a sample and procedure for hypothesis testing and applications.

Master of Science (Economics) Semester – I
Session 2024-2025
Course Code: MECL-1173
Statistical Techniques

Time: 3 Hours

L-T-P (Credits):4-1-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Correlation and Regression: Meaning, assumptions and limitations of simple correlation and regression– analysis; Pearson’s product moment and spearman’s rank Correlation coefficients, and their properties; partial and multiple correlation. Simple regression–basic idea about least–squares principle, lines of regression and properties of regression co –efficient.

UNIT-II

Methods of estimating Multiple linear regression equation. Method of estimation of second degree parabolic, exponential and modified exponential curves; Method of computing average annual rate of growth.

UNIT-III

Elements of probability: Deterministic and non –deterministic experiments, various types of events. Classical and empirical definitions, laws of addition and multiplication of probability, conditional probability and the concept of independence of events, elementary concept of a random variable, probability mass and density functions. Expectations, moments and moments generating function of a random variable.

UNIT-IV

Properties and applications of binomial, poisson and normal distributions.

Sampling: Concepts uses in sampling, difference between random and non–random sampling, simpler and om sampling, stratified random sampling and p.p.s.sampling. Concept of a statistic and its sampling distribution.

A Case study on applications of correlation and regression using statistical software

Suggested Readings:

1. Chou Ya–Lun: Statistical Analysis.
2. Croxton, Cowden and Klein: Applied General Statistics.
3. Gupta S.C. and Kapur V.K.: Fundamentals of Applied Statistics, Sultan Chand & Sons (1993).
4. Miller, Jane: Statistics for Advanced Level, Cambridge University Press (1996).
5. Spiegel, M.R.: Theory and Problems of Statistics.
6. Hogg, R.V. and Craig A.T.: Introduction to Mathematical Statistics (3rdEd.), Macmillan Publishing Co., New Delhi.
7. Sukhatme, P.V. and Sukhatme B.V.: Sampling Theory of Surveys with Applications, Iowa State University Press, Ames, Iowa (1970)

Master of Science (Economics) Semester – I
Session 2024-2025
Course Code: MECL-1174
Public Economics

Course outcomes:

After passing this course students will be able to:

CO1: understand the introduction to and rationale of public economics.

CO2: understand the various concepts and system of provision of public goods

CO3: understand the effects of government expenditure and theories of public economics.

CO4: understand Indian system of public finance and transfer of financial resources.

Master of Science (Economics) Semester – I
Session 2024-2025
Course Code: MECL-1174
Public Economics

Time: 3 Hours

L-T-P (Credits):4-1-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Introduction to public Economics: Nature and scope, Social Choice, Voting Rules, Arrow's Impossibility Theorem Rationale for state intervention: Market failures and externalities. Public Goods: Pure and Local, Merit goods, club goods, The Tiebout hypothesis.

UNIT-II

Public revenue : sources, taxation, tax elasticity and buoyancy, taxable capacity and tax effort; Theory of incidence; equity in taxation; principles of taxation; direct and indirect taxes; effect of taxation on production and distribution; major taxes in India; tax reforms in India.

UNIT-III

Evaluation of government expenditure: Cost-benefit analysis, elements, principles and theoretical foundations. Theories of Public Sector: Wagner's Law, Baumol's Law, Ratchet effect.

UNIT-IV

Fiscal federalism – theory and problems. Criteria for resource transfer from Union to States, Centre-State financial relations in India, recommendations of the latest Finance Commission. Fiscal policy – objectives, interdependence of monetary and fiscal policies.

A Case study on the impact of GST on Indian economy/structure of public expenditure in India.

Suggested Readings:

1. Atkinson A.B. and J.E. Stiglitz, Lectures on Public Economics, New York: McGraw-Hill, 1980
2. Cullis J. and P. Jones, Public Finance and Public Choice, OUP, 1998
3. Hindriks J. and G.D. Myles, Intermediate Public Economics, MIT Press, 2006
4. Myles G., Public Economics, Cambridge University Press, 1995
5. Oates W., Fiscal Federalism, New York: Harcourt, Brace Jovanovich, 1972
6. Purohit M., Value Added Tax, Gayatri Publications, 2001
7. Tresch R., Public Finance: A Normative Theory, Academic Press, 1995
8. Mueller D., Public Choice III, Cambridge University Press, 2003 (Modules 1,2,3,4)
9. Drazen A., Political Economy in Macroeconomics, Princeton University Press, 2000 (Modules 1,3)
10. Cullis J. And P. Jones, Public Finance and Public Choice, Oxford University Press, 1998 (Module 4)

Master of Science (Economics) Semester – II
Session 2024-2025
Course Code: MECL-2171
Mathematics for Economists

Course outcomes:

- CO1:** Recognize the concept of functions and rules of differentiation and apply this to find out revenue, cost, demand, supply function, elasticity and their types.
- CO2:** To learn the concept of differential equations and the concepts of integration and its applications to consumer's surplus and producer's surplus.
- CO3:** To learn the matrix algebra and solve the system of equations using matrices. Students will also be able to understand the concept of quadratic forms, Eigen roots and Eigen vectors.
- CO4:** to learn linear programming problem, its formulation and solution through graphical and simplex methods.

Master of Science (Economics) Semester – II
Session 2024-2025
Course Code: MECL-2171
Mathematics for Economists

Time: 3 Hours

L-T-P (Credits):4-1-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Differentiation: Differentiation. Partial derivatives, Euler's theorem and total differentials. Maxima and minima with and without constraints. Economic applications of differentiation.

UNIT-II

Differential and Difference Equations: Differential and difference equations of first and second order. Integration: Simple integration, Integration by parts, partial fractions, Definite integral, Economic application of integration.

UNIT-III

Linear Algebra: Matrix: Types, properties of determinants, inverse of matrix, Solution by Cramer's rule and matrix inverse method.

Characteristic roots and vectors, quadratic forms: Application of matrix in input–output analysis.

UNIT-IV

Linear Programming: Formulation of L.P.P.: simplex and graphical methods, two–phase simplex method and dual simplex method, Concept of duality.

Suggested Readings:

1. Yamane, Taro: Mathematics for Economists, Printice Hall, Latest Edition
2. Chiang, A: Fundamental Methods of Mathematical Economics, McGraw Hill Ltd.1974
3. Chang Yan Chiou: Introduction to Input–output Economics.
4. Taha, H.A.: Operations Research: An Introduction, Pearsons Publications Latest Edition.
5. Monga, G.S.: Mathematics for Management and Economics. S. Chand and Co.2017.
6. Sancheti, D.C. & V.K. Kapoor: Business Mathematics, S. Chand & Sons.2018.
7. Balwant Kandoi: Mathematics for Business & Economics, Volume I & II Himalya Publications

Master of Science (Economics) Semester – II
Session 2024-2025
Course Code: MECL-2172
Research Methodology

Course outcomes:

After passing this course students will be able to understand:

CO1: the basics research and formulation of research problems

CO2: the basics of writing a review of literature, referencing and plagiarism

CO3: the identification of variables and testing of hypothesis

CO4: the ethics in social science research and basics of research writings

Master of Science (Economics) Semester – II

Session 2024-2025

Course Code: MECL-2172

Research Methodology

Time: 3 Hours

L-T-P (Credits):4-1-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Introduction to Research: Meaning, purpose, significance of research, Research methods versus methodology, Classification of Research based on its purpose, Research process.

Formulating a research problem: Selecting the problem, necessity of defining a problem, steps in the formulation of a research problem and objectives.

UNIT-II

Literature review and critical thinking: The scope and importance of a literature review, types of literature review, procedure for reviewing the literature.

Documentation and referencing, Plagiarism and how to avoid it?

UNIT-III

Identification of variables: Types of variables from the point of view of causation, study design and unit of measurement. Types of measurement scale: nominal, ordinal, interval and ratio scale.

Constructing hypothesis: Definition, characteristics, and types of a hypothesis. Data Preparation, screening and transformation.

UNIT-IV

Ethical issues in social science research: Principles of ethically acceptable research, Codes of ethics.

Research writing: Characteristics of a good research paper. Planning and preparing a final research report.

A Case study on designing of questionnaire using different scales of measurement/review of literature on any economic problem/policy/issue.

Suggested Readings:

1. C.R. Kothari; Research Methodology: Methods and Techniques, Wiley Eastern Limited, 1985.
2. Kumar, R. Research Methodology: A step-by-step guide for beginners, 4th edition, Pearson, 2014.
3. Paul D. Leedy and J E Ormrod. Practical Research Planning and design, 11th edition, Pearson, 2018.
4. Creswell, J. W. Research design: Qualitative, quantitative and mixed methods approach. 5th Ed. Thousand Oaks, CA: Sage, 2018.
5. Majhi, P. R. and Khatua, P. K. Research Methodology. 2nd Edition, Himalaya Publication House, 2018.

Master of Science (Economics) Semester – II
Session 2024-2025
Course Code: MECL-2173
Econometric Techniques

Course outcomes:

After passing this course students will be able to understand:

CO I: various problems in the process of estimation of regression.

CO II: uses and basic models related to dummy variables.

CO III: various time series properties and their testing procedures.

CO IV: simultaneous equation models and their estimation.

Master of Science (Economics) Semester – II

Session 2024-2025

Course Code: MECL-2173

Econometric Techniques

Time: 3 Hours

L-T-P (Credits):4-1-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit-I

Meaning and Scope of Econometrics, Multiple Regression Model: Estimation. Problems of regression analysis: Nature, test, consequences and remedial steps of problems of heteroscedasticity, multi collinearity and auto-correlation, Problem of specification bias.

Unit-II

Dummy variables and their uses; Regression with dummy dependent variables; The LPM, Logit, Pro bit.

Unit-III

Time Series Analysis: Stationary time series and their properties; Random Walk model, Testing for unit roots (Dickey-Fuller test and Augmented Dickey-Fuller test), co-integration–spurious regression, Causality analysis (Granger and Sim's test).

Unit-IV

Simultaneous equations models: The simultaneous equation bias and inconsistency of OLS estimators; The identification problem; Rules of identification–order and rank conditions; Methods of estimating simultaneous equations system; Recursive methods; Indirect Least Squares (ILS), Panel Regression Model: Random and Fixed Effects.

Case Study on time series properties using statistical software.

Suggested Readings

1. Johnston, J.: Econometric Methods, McGraw Hill, New York, 1972.
2. Koutsoyiannis A.: Theory of Econometrics, Palgrave Macmillan, 1978.
3. Gujarati, D.: Basic Econometrics, McGraw Hill Education, 1978.
4. Chow G. C.: Econometrics, McGraw Hill International, 1977.
5. Madala, G.S: Introduction to Econometrics, Wiley-India, 2009.
6. Pollock Beg: The Algebra of Econometrics, Wiley Series in Probability and Statistics, 1979.
7. Greene, W.H.: Econometrics Analysis, Prentice Hall, New York, 2018.

Master of Science (Economics) Semester – II
Session 2024-2025
Course Code: MECL-2174
Field Work and Report Writing

Credits: L-T-P:2-0-0
Total Marks: 100

Master of Science (Economics)
Session 2024-2025
OPT-I (Financial Institutions and Markets)

Course outcomes:

After passing this course students will be able to:

CO1: understand the functioning of leading developing financial institutions in India.

CO2: understand the working of non-banking financial intermediaries and mutual funds.

CO3: understand the mechanism as well as working of Insurance sector in India.

CO4: understand of the working of money and capital markets their structures and role of SEBI.

Master of Science (Economics)
Session 2024-2025
OPT-I (Financial Institutions and Markets)

Time: 3 Hours

L-T-P (Credits):4-1-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Development financial institutions: Evolution of development banks, changing role, IFCI, IDBI, ICICI, NABARD, SIDBI, State Industrial Development Corporations, State Financial Corporations, Performance of All Indian Financial Institutions.

UNIT-II

Non-banking financial intermediaries: Definition and types of Regulation of NBFIs. Mutual Funds: Growth of mutual funds in India, Types of mutual funds schemes, Risks in Mutual funds SEBI guide lines relating to mutual funds. Financial Sector reforms (recent developments).

UNIT-III

Commercial Banks: Systems, Theories of banking, Structure of Commercial Banks in India, Major Reforms in Banks. **Central Banking:** Functions with special reference to developing countries, RBI: Functions and Instruments, Role and functions of Insurance Regulatory and Development Authority (IRDA). SEBI: Role, Powers and Scope.

UNIT-IV

Role and structure of money and capital markets: Call money market, commercial bill market, Treasury Bills Market, Government Securities Market, Primary and Secondary Market for Securities. A Case study on working of any financial institution.

Suggested Readings

1. Bhole, L.M. (2004), Financial Institutions and Markets: Structure, Growth and Innovation, Tata McGraw Hill, New Delhi.
2. Palande, P.S. et al (2003), Insurance in India: Changing Policies and Emerging opportunities, Sage Publications, New Delhi.
3. Pendharkar, V.G. (2003), Unit Trust of India: Retrospect and Prospect, UBS Publishers' Distributors Ltd., New Delhi.
4. Pathak, B.V. (2008), The Indian Financial System Markets, Institutions and Services, Dorling Kindersley (India) Pvt. Ltd., New Delhi.
5. Gupta, S.B. (2006), Monetary Economics Institutions, Theory and Policy, S. Chand & Co. Ltd., New Delhi.
6. Reserve Bank of India, Handbook of Statistics on Indian Economy, Various Issues.
7. Cherunilam Francis (2012), Business Environment, Himalaya Publishing House Pvt. Ltd.

Master of Science (Economics)
Session 2024-2025
OPT-II (Rural Economics)

Course outcomes:

After passing this course students will be able to:

CO1: learn the role of reforms in land utilization, agriculture and industry in rural development.

CO2: understand the rural unemployment and the role of capital formation in rural development. In additions, students will also learn the agricultural development took place in terms of agriculture production.

CO3: learn the agricultural price policy and different marketing systems of agricultural produce.

CO4: Comprehend the various schemes for rural industrialization and the role of social and economic overhead for rural development.

Master of Science (Economics)
Session 2024-2025
OPT-II (Rural Economics)

Time: 3 Hours

L-T-P (Credits):4-1-0
Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Concept: Nature and Scope, Agriculture industry interaction: theories and empirical evidences.

Land: Utilisation, Land reform, supply and pricing of inputs.

UNIT-II

Rural Labour and employment: Disguised unemployment, Extent, causes and estimates of rural poverty, Interstate labour migration: factors and implications.

Capital formation in rural sector: Savings and assets formation, credit–institutional and non–institutional special role of NABARD and RRBS.

Production: Agricultural growth in India; Production function, Farm budgeting, Technical changes: Green revolution.

UNIT-III

Rural marketing: Traditional marketing, regulated markets, co –operative marketing and contract farming.

Agricultural prices: Price behaviour; cobweb cycle; public distribution system; terms of trade, agriculture price policy.

UNIT-IV

Rural Industrialisation: Concept and scope, Government policy, KVIC, Mini–industrial estates. Industrial cooperatives. TRYSEM.

Economic and social infrastructure: Transport & Communications, power, education, drinking water, health, Sanitation and rural housing, social forestry and environment. Strategies of rural development in plans. Poverty alleviation programmes.

A case study of Rural labour/employment generation programmes in a Village.

Suggested Readings:

1. Aziz, Sartaj: Rural Development Learning from China.
2. Hirschman, A. O.: The Strategy of Economic Development.
3. Singh, Radha Raman: Studies in Regional Planning and Rural Development.
4. Shah, S.M., Whitby, M.C. D.L.J.: Rural Development, Planning and Reforms.
5. Robins, A.N. and Tensery, K.G. Wills.: Rural Resources Development.
6. Nangundappa, D.M.: Area Planning and Rural Development.
7. Arora, R.C: Integrated Rural Development.
8. Raghava Rao, D.V.: Panchayats and Rural Development.
9. D.S. Tyagi: Public Distribution in India.
10. Sukhpal Singh: Contract Farming and the State: Experience of Thail and India, Kalpaz Publications, 2006.

Master of Science (Economics)
Session 2024-2025
OPT-III (Economics of Environment)

Course outcomes:

After passing this course students will be able to:

CO1: understand environmental policies & regulations and externalities.

CO2: understand the Environmental and development trade-off in context of sustainability development and social accounting.

CO3: understand measurement of benefits and costs of environmental protection, ecological balance in the context of water, land air and spaces and energy policy.

CO4: understand global economic issues, sustainable development, trade, WTO regime, strategies and forums in the context of environment protection.

Master of Science (Economics)
Session 2024-2025
OPT-III (Economics of Environment)

Time: 3 Hours

L-T-P (Credits):4-1-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Environment: Basic concepts, Environment and economics, Distinction between Environmental economics and Ecological Economics. Externalities, common property resources, public goods. Environmental externalities –Piguvian taxes and subsidies, marketable pollution permits, Coase theorem, monitoring and enforcement of environmental regulation.

UNIT-II

Environmental and development trade–off, concept of sustainable development, sustainability– neo–classical and ecological views. Integrated environmental and economic accounting and measurement of environmentally corrected GDP.

UNIT-III

Measurement of benefits and costs of environmental protection and benefit –cost analysis. Environmental regulation and legislation–air, water, land, chemical sand pesticides, endangered species protection, incentive based regulation, promoting clean technology. Energy policy and environment.

UNIT-IV

Global issues–poverty, population and environment, global agreements on environment, political economy of sustainable development, trade and policy environment under WTO regime. Rio Convention, Bali Action Plan, Green Climate Fund.

Mechanism for environment regulation in India; environmental laws and their implementation; Recent policy instruments for controlling pollution environmental standards; social forestry – rationale and benefits.

A Case study on environmental issues due to industrialization/Agricultural Farming

Suggested Readings

1. Baumol, YAN and W.R. Ostes (1998). The Theory of Environmental Policy, Cambridge University Press.
2. Bromely, D.W. (ed) (1995). Handbook of Environmental Economics, Blackwell, London.
3. Hanley, N. and C.J. Roberts (ed.) (2002). Issues in Environmental Economics, Blackwell, Oxford, Macmillan.
4. Kolstad, C.D. (1999) Environmental Economics, Oxford, New Delhi.
5. Sankar, U. (ed.) (2001) Environmental Economics an Indian Perspective, Oxford, New Delhi.
6. Sengupta, R.P. (2001) Ecology and Economics: An approach to Sustainable Development, Oxford, New Delhi.
7. Chadha, G.K. (ed.) (2001) WTO and Indian Economy, Deep & Deep, New Delhi.
8. Goodstein, E.S. (2002) Economics and the Environment, John Wiley, New York.
9. Kadekodi, G.K. (2004) Environmental Economic

Annexure G

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

**Master of Arts (Economics)
Semester (III-IV)**

(Under Credit Based Continuous Evaluation Grading System)

Session: 2024-25



**The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)**

Program Specific Outcome – Master of Arts (Economics)

M.A. Economics is two year post graduate course with five subjects in each semester. The basic objective of M.A. Economics is to develop strong theoretical base along with practical skills of students associated with economic theories and real world internal as well as international economic problems. This course will help to develop academicians, researchers, analysis, bankers and anchors

Upon successful completion of this course, students will be able to:

PSO1: have in depth understanding of the basic concepts and theories of various streams of Economics.

PSO2: learn basic and advance data analysis techniques and their theoretical base.

PSO3: learn and understand basic problems and issues of Indian and Punjab Economy.

PSO4: learn latest developments in different streams of Economics.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
AND CURRICULAM OF EXAMINATION OF TWO YEAR DEGREE I
Master of Arts (Economics) (Session 2024-25)
Credit Based Continuous Evaluation Grading System (CBCEGS)

	Semester-III									
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th/D	P	CA	
MECL-3171	Economics of Development	C	4-0-0	4-0-0	4	4	80	-	20	3
MECL-3172	International Economics-I	C	4-0-0	4-0-0	4	4	80	-	20	3
MECL-3173	Indian Economy	C	4-0-0	4-0-0	4	4	80	-	20	3
MECL-3174 (OPT-__)	Option to be selected from Table No. 1 below	E	4-0-0	4-0-0	4	4	80	-	20	3
MECL-3175 (OPT-__) MECD-3175 (OPT-XV)	Option to be selected from Table No. 1 below	E	4-0-0	4-0-0 4*-0-0	4	4	80 80	- -	20 20	3 1 (Viva Voce)
Students can opt any one of the following Interdisciplinary optional courses		IDE	4-0-0	4-0-0	4	4	4	-	20	3
			2-0-2	2-0-2				-	20	3
			4-0-0	4-0-0				-	20	3
			2-0-2	2-0-2				30	20	3+3
			4-0-0	4-0-0				-	20	3
TOTAL CREDITS		20				500				
IDEC-3101 IDEM-3362 IDEH-3313 IDEI-3124 IDEW-3275		Effective Communication Skills Basics of Music (Vocal) Human Rights and Constitutional Duties Basics of Computer Applications Indian Heritage: Contribution to the World								

Sr. No.	(Table No. 1) Paper Title
OPT-I	Public Finance
OPT-II	Economics of Labour
OPT-III	Theory of Statistics
OPT-IV	Money, Banking and Finance
OPT-V	Industrial Economics
OPT-VI	History of Economic Thought
OPT-VII	Economics of Socialism
OPT-VIII	Econometrics
OPT-IX	Economics of Agriculture
OPT-X	Economics of Public Enterprises
OPT-XI	Computer Applications for Economists (Th.:50+ Pr.: 30+ Int. Ass.:20) = 100 Marks
OPT-XII	Operations Research
OPT-XIII	Economics of Environment and Demography
OPT-XIV	Economics of Infrastructure
OPT-XV	Dissertation* (*in lieu of one optional paper in MA Semester III and IV each) and involves intensive and extensive collection and analysis of the literature and data [Credits =8] Marks=200

- Note:**
- 1. C- Compulsory Course; E –Elective; IDE- Inter Disciplinary Optional Course;**
 - 2. Credits points of Interdisciplinary compulsory course will not be included in the SGPA/CGPA of Semester/ Programme.**
 - 3. Every Masters student may choose one ID Course in Semester I and One in Semester III.**
 - 4. Only those students will be allowed to opt for dissertation in Semester III and IV, who have scored 60 percent marks in aggregate in semester I and II.**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULAM OF EXAMINATION OF TWO YEAR DEGREE
PROGRAM

Master of Arts (Economics) (Session 2024-25)
Credit Based Continuous Evaluation Grading System (CBCEGS)

Semester-IV										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th/D	P	CA	
MECL-4171	Economics of Planning	C	4-0-0	4-0-0	4	100	80	-	20	3
MECL - 4172	International Economics-II	C	4-0-0	4-0-0	4	100	80	-	20	3
MECL - 4173	Punjab Economy	C	4-0-0	4-0-0	4	100	80	-	20	3
MECL - 4174 (OPT-__)	Option to be selected from Table No. 1 below	E	4-0-0	4-0-0	4	100	80	-	20	3
MECL - 4175 (OPT-__)	Option to be selected from Table No. 1 below	E	4-0-0	4-0-0	4	100	80	-	20	3
MECD - 4175 (OPT-XV)				4*-0-0		100	80	-	20	1 (Viva Voce)
MECL - 4176 (OPT-__)	Option to be selected from Table No. 1 below	E	4-0-0	4-0-0	4	100	80	-	20	3
TOTAL CREDITS					24	600				

Sr. No.	(Table No. 1) Paper Title
OPT-I	Public Finance
OPT-II	Economics of Labour
OPT-III	Theory of Statistics
OPT-IV	Money, Banking and Finance
OPT-V	Industrial Economics
OPT-VI	History of Economic Thought
OPT-VII	Economics of Socialism
OPT-VIII	Econometrics
OPT-IX	Economics of Agriculture
OPT-X	Economics of Public Enterprises
OPT-XI	Computer Applications for Economists (Th.:50+ Pr.: 30+ Int. Ass.:20) = 100 Marks
OPT-XII	Operations Research
OPT-XIII	Economics of Environment and Demography
OPT-XIV	Economics of Infrastructure
OPT-XV	Dissertation* (*in lieu of one optional paper in MA Semester III and IV each) and involves intensive and extensive collection and analysis of the literature and data [Credits =8] Marks=200

Note: 1. C- Compulsory Course; E –Elective

2. Only those students will be allowed to opt for dissertation in Semester III and IV, who have scored 60 percent marks in aggregate in semester I and II.

MASTER OF ARTS (Economics)
Semester - III
Session 2024-25
Course Code: MECL-3171
Course Title: Economics of Development

Course outcomes:

After passing this course students will be able to:

- CO1:** relate and recognize the theoretical aspects of Economic Development and the various indicators of economic growth and development and also growth models.
- CO2:** understand the theories of development and different approaches to development.
- CO3:** understand different strategies of development and role of agriculture in economic development.
- CO4:** explain, analyze and assess the role of human resources and capital formation and foreign capital in the process of Economic Growth and Development and role of trade and MNCs in economic development.

MASTER OF ARTS (Economics)
Semester - III
Session 2024-25
Course Code: MECL-3171
Course Title: Economics of Development

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit I

Economic growth and economic development – Meaning and measurement. Concept of sustainable development. Human Development Index and Physical Quality of Life Index (PQLI). Obstacles to Economic development. Sources of Economic growth. Growth and Income Distribution: The Kuznets Hypothesis.

Growth models – Harrod-Domar, Solow, Meade, Joan Robinson, Kaldor.

Unit II

Theories of Development – Classical, Marxian, Schumpeter, Stage theory.

Approaches to Development – Myrdal's theory of circular causation, Social Dualism, Technological Dualism. Models of Dualistic growth (Lewis, Ranis and Fei and Jorgenson models).

Unit III

Strategies of development: Big push, Balanced growth, Unbalanced growth, Critical minimum efforts thesis, Low level equilibrium trap, Dependency theory. Agriculture and economic development.

Unit IV

Trade and development, two-gap theory, import substitution vs. export-led strategies. Role of Capital formation, internal and external sources of Capital formation, human capital formation and economic development. Role of foreign capital in Economic development; Developmental aid; FDI; MNCs.

A Seminar on any topic from the syllabus.

Suggested Readings:

1. Lekhi, R.K. and Singh, J. (2020), *The Economics of Development and Planning*, Kalyani Publisher.
2. Puri, V.K. & Misra, S.K. (2020), *Economics of Development and Planning - Theory & Practice*, Himalaya Publishing House, New Delhi.
3. Jhingan, M.L. (2021), *The Economics of Development and Planning*, Vrinda Publications (P) LTD., Delhi
4. Taneja, M.L. & Myer, R.M. (2021), *Economics of Development & Planning*, Vishal Publications, Jalandhar.

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Semester – III
Session 2024-25
Course Code: MECL-3172
Course Title: International Economics-I

Course outcomes:

After passing this course students will be able to:

- CO1:** Understand the theories of international trade.
- CO2:** Understand the role of dynamic factors in explaining the emergence of international trade.
- CO3:** Understand the concept of terms of trade and gains from international trade.
- CO4:** Understand the tariff and non-tariff barriers to international trade and their effects

MASTER OF ARTS (Economics)

SEMESTER – III

Session 2024-25

Course Code: MECL-3172

Course Title: International Economics-I

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

The pure theory of international trade – theories of Absolute advantage, Comparative advantage and Opportunity costs, Modern theory of international trade; Theorem of factor price equalization; Empirical testing of theory of absolute cost and comparative cost – Heckscher-Ohlin theory of trade.

Unit – II

Kravis and Linder theory of trade; Role of dynamic factors i.e. changes in tastes, technology and factor endowments in explaining the emergence of trade; The Rybnszynski theorem – concept and policy implications of immiserizing growth; Causes of emergence and measurement of intra industry trade and its impact on developing economies.

Unit – III

Measurements of gains from trade and their distribution; Concepts of terms of trade, their uses and limitations; Hypothesis of secular deterioration of terms of trade, its empirical relevance and policy implications for less developed countries; Trade as an engine of economic growth.

Unit – IV

The theory of interventions (Tariffs, Quotas and non-tariff barriers), Economic effects of tariffs and quotas on national income, output, employment, terms of trade, income distribution, balance of payments on trade partners both in partial and general equilibrium analysis; The political economy of non-tariff barriers and their implications; nominal, effective and optimum rates of tariffs – their measurement, impact and welfare implications.

A Seminar on any topic from the syllabus.

Suggested Readings:

1. Bhagwati, J. (1981), *International Trade: Selected Readings*, Cambridge University Press, Massachusetts.
2. Krugman, P.B. and M. Dkstfeld (1994), *International Economics, Theory and Policy*, Glenview, Foresman.
3. Salvatore, D. (1997), *International Economics*, Prentice Hall, Upper Saddle, NJJ, New York.
4. Soderston, B.O. (1991), *International Economics*, Macmillan Press Ltd., London.

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)

Semester – III

Session 2024-25

Course Code: MECL-3173

Course Title: Indian Economy

Course outcomes:

After passing this course students will be able to:

CO1: understand the national income estimates and strategies adopted by India for development

CO2: understand the dynamics of problems of different sectors of Indian Economy.

CO3: understand latest developments and problems of Indian agriculture.

CO4: understand the features of industry policy and elements of external trade of India.

MASTER OF ARTS (Economics)
Semester III
Session 2024-25
Course Code: MECL-3173
Course Title: Indian Economy

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

National Income of India: Growth, Structure, Inter-state variations, limitations of national income estimates.

Indian Planning: Change in basic strategy, objectives; Decentralized planning: Need and objectives; Achievements and Appraisal of 11th and 12th Five Year Plan; NITI Aayog.

Unit – II

Major Economic Problems: Population, Unemployment, Poverty and inequalities, Inflation. Social sector: health sectors- its growth and problems, higher education- its policies and problems.

Unit – III

Agriculture: Production and productivity trends, Role of institutional (Land reforms) and technological factors, Second Green Revolution, Agriculture Price Policy, Food Security and sustainable agricultural development.

Unit – IV

Industrial sector: Major policy changes before and after 1991; State of micro, small and medium enterprises, large scale industry; Public-private partnership, disinvestment in public sector enterprises.

Foreign sector: Composition, growth and pattern of trade, Role of MNCs, Balance of payment position, W.T.O. and India.

A Case study on higher education/health policy

Suggested Readings:

1. Dutt and Sundram(2016), *Indian economy*, S. Chand Publications, New Delhi.
2. Chakravarty, S. (1987), *Development Planning: The Indian Experience*, Oxford University Press, New Delhi.
3. Government of India, *Economic Survey, (Annual)*, Various Issues, Ministry of Finance, New Delhi.
4. Dhar, P.K. (2016), *Indian Economy: Its Growth and Dimensions*, Kalyani Publications.

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Semester IV
Session 2024-25
Course Code: MECL-4171
Course Title: Economics of Planning

Course outcomes:

After passing this course students will be able to:

- CO1:** recognize different planning systems and relevance of planning in modern era.
- CO2:** understand the concept of different investment criteria, choice of techniques and appropriate technology for under developed countries and transfer of technology from developed countries to developing countries.
- CO3:** understand project characteristics and various stages of a project and recognize the different criteria for project evaluation.
- CO4:** appreciate the importance and limitations of planning in India, plan models, NITI Aayog.

MASTER OF ARTS (Economics)
Semester IV
Session 2024-25
Course Code: MECL-4171
Course Title: Economics of Planning

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

Economic Planning: Meaning, objectives, rationale and types of planning; Different planning systems; Requisites for successful planning. Planning in third world countries in the context of Globalization and Liberalization.

Unit – II

Investment criteria: Rationale and types. Choice of Technique: Sen-Dobb Thesis, labour intensive vs. capital intensive technology; Choice of technique in underdeveloped countries and appropriate technique for UDC's. International transfer of technology- channels, importance and problems in the transfer of technology.

Unit – III

Project evaluation: Meaning, origin, rationale, project planning and commercial profitability criteria; social cost benefit analysis- meaning and technique; Shadow Prices- Meaning, importance and methods to compute shadow prices; Little Mirrless and UNIDO approaches – A comparison.

Unit – IV

Indian plan models: Harrod-Domar, Mahalanobis, Frisch and Sandee, Manne and Rudra, CELP model and its applications. Indian Planning- Objectives, strategy and evaluation of Indian planning, Resource mobilization for Indian plans; NITI Aayog- composition, Functions and strategy.

A Seminar on any topic from the syllabus.

Suggested Readings:

1. Lekhi, R.K. and S. Joginder (2020), *The Economics of development and planning*, Kalyani Publisher.
 2. Puri, V.K. & Misra, S.K. (2020), *Economics of Development and Planning - Theory & Practice*, Himalaya Publishing House, New Delhi.
 3. Todaro, P. (2016), *Development Planning: Models & Methods*, Oxford University Press.
- Note: The latest edition of the books is recommended.*

MASTER OF ARTS (Economics)
SEMESTER – IV
Session 2024-25
Course Code: MECL-4172
Course Title: International Economics-II

Course outcomes:

After passing this course students will be able to:

- CO1:** to understand the concept of BOP and process of adjustment in BOP.
- CO2:** to understand how rate of exchange is determined along with relative merits and demerits of fixed and flexible exchange rate.
- CO3:** to understand forms of economic co-operation along with static and dynamic effects of custom union and role of short term capital in financial crisis.
- CO4:** understanding of Bretton woods system and role of international economics institutions.

MASTER OF ARTS (Economics)
Semester – IV
Session 2024-25
Course Code: MECL-4172
Course Title: International Economics-II

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

Meaning and components of balance of payments; Equilibrium and disequilibrium in the balance of payments; The process of adjustment under systems of gold standard: Price Specie Flow Mechanism, fixed exchange rates and flexible exchange rates; Expenditure-reducing and expenditure-switching policies and direct controls for adjustment; Policies for achieving internal and external equilibrium simultaneously under alternative exchange rate regimes.

Unit – II

Exchange rate; meaning and theories for the determination of exchange rate (PPP, monetary, Portfolio, and balance of payments). A critical review of the monetary approach to the theory of balance of payments adjustment. Relative merits and demerits of fixed and flexible exchange rates in the context of growth and development in developing countries.

Unit – III

Forms of economic cooperation; Reforms for the emergence of trading blocs at the global level; Static and Dynamic effects of a custom union and free trade area; Regional Economic grouping: EU, SAARC, NAFTA and BRICS; Multilateralism and WTO; Theory of short-term capital movements and East-Asian Crisis and lessons for developing countries. Global Financial Crisis of 2008

Unit – IV

The Bretton Woods System: its working and reasons for its collapse, Emerging International Monetary System with special reference of Post-Maastricht developments and developing countries; Reform of the International Monetary System, Portfolio and Foreign Direct Investments; International Debt Crisis. International economic institutions – Functions and achievements of GATT/WTO (TRIPS, TRIMS), UNCTAD/IMF: Need, adequacy and determinants of international reserves World Bank and Asian Development Bank – Their achievements and failures.

A Seminar on any topic from the syllabus.

Suggested Readings:

1. Bhagwati, J. (1981), *International Trade: Selected Readings*, Cambridge University Press, Massachusetts.
2. Kindleberger, C.P. (1965), *International Economics*, R.D. Irwin, Homewood.
3. Krugman, P.B. and M. Dkstfeld (1994), *International Economics, Theory and Policy*, Glenview, Foresman.
4. Salvatore, D. (1997), *International Economics*, Prentice Hall, Upper Saddle, NJJ, New York.
5. Soderston, B.O. (1991), *International Economics*, The Macmillan Press Ltd., London.
6. Godstein, M. (1998), *The Asian Financial Crisis: Causes and Systematic Implication*, Institute for International Economics, Washington, D.C.

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)

Semester – IV

Session 2024-25

Course Code: MECL-4173

Course Title: Punjab Economy

Course outcomes:

After passing this course students will be able to:

CO1: To understand the dynamics of various problems of Punjab economy

CO2: To examine the causes of agrarian crisis in Punjab and find out ways to rejuvenate agriculture.

CO3: To analyse the issues involved in the slow growth of industries and suggest ways to tap the potentials for the growth of industries in Punjab.

CO4: To critically examine the financial parameters for financial stability.

MASTER OF ARTS (Economics)

Semester – IV

Session 2024-25

Course Code: MECL-4173

Course Title: Punjab Economy

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

Introduction to Punjab Economy

Structure of the economy, Population problem, Unemployment, Physical Infrastructure: Power, irrigation, transport and urbanization.

Unit – II

Agriculture: Output and cropping pattern; Green Revolution: Its impact and implication, Agricultural Diversification: Need, potential and constraints, Rural credit, Agricultural marketing, Contract farming: Need, growth and problems and Impact of W.T.O. on Agriculture.

Unit – III

Industrial Development: Pattern, performance and potential, State and Industrial development; Recent development in Industrial Policy in Punjab; Disinvestments in industries.

Unit – IV

Financial relations between centre and states, Recommendations of the latest Finance Commissions, Pattern of devolution of resources from Centre to Punjab, State Finances: Emerging pattern of revenue and expenditure in Punjab, Fiscal crisis in Punjab: Causes, impact, solutions.

A case study on issues/problem of Industrialization in Punjab.

Suggested Readings:

1. Singh. S., Singh, I. and Singh, L. (2014), *Punjab's Economics Development in the Era of Globalization*, AB Distributors Prakash book depot.
2. Bawa, R.S. and Raikhy, P.S.(2000), *Punjab Economy: Emerging Issues*, G.N.D.U. Amritsar.
3. Government of Punjab, *Statistical abstract of Punjab*, various Issues.
4. Government of Punjab, *Punjab Budget*

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-I (Public Finance)

Course outcomes:

After passing this course students will be able to:

- CO1:** analyze the functioning of modern public finance and to analyze critically tax reforms and policy choices in developed and developing countries.
- CO2:** understand the effects of government expenditure on behaviour of individuals, households and firms.
- CO3:** to analyze the instruments and objectives of budgetary policy and the role of public debt in economic development.
- CO4:** understand the role of fiscal federalism and fiscal policy principles to demonstrate a good understanding of the fiscal framework for taxing and spending.

MASTER OF ARTS (Economics)

Session 2024-25

OPT-I: Public Finance

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit– I

Meaning and scope of Public Finance, Role of Public Finance in developing countries. Distinction between public, private and merit goods.

Public revenue: sources, taxation, tax elasticity and buoyancy, taxable capacity and tax effort; Theory of incidence; equity in taxation; principles of taxation; direct and indirect taxes; effects of taxation on production and distribution; major taxes in India; recent tax reforms in India.

Unit– II

Public expenditure: structure and growth of public expenditure, reasons for growth in public expenditure; Wagner's law, Peacock and Wiseman's hypothesis; Effects of public expenditure on production and distribution; Role of public expenditure in developing countries.

Unit– III

Public budgets: kinds of budget, programme budgeting and zero-base budgeting; different concepts of budget deficits, latest budget of Union Government in India.

Public debt: classification, significance and burden of public debt, principles of debt management, external debt servicing, Public debt in India.

Unit– IV

Fiscal federalism – theory and problems; Criteria for resource transfer from Union to States. Centre-State financial relations in India; recommendations of the latest Finance Commission. Fiscal policy– objectives, interdependence of monetary and fiscal policies.

A Case study on the impact of GST on Indian economy/structure of public expenditure in India.

Suggested Readings:

1. Musgrave, R.A. (1989), *The Theory of Public Finance*, McGraw Hill, Kogakusha, Tokyo.
2. Tyagi, B.P. (2004), *Public Finance*, Jai Prakash Nath & Company, Meerut.
3. Srivastava, D.K. (2000), *Fiscal Federalism in India*, Har-Anand Publications Ltd., New Delhi.
4. Government of India (1992), *Reports of the Tax Reforms Committee – Interim and Final* (Chariman: Raja J. Chelliah).

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-II (Economics of Labour)

Course outcomes:

After passing this course students will be able to:

CO1: understand the concept of labour economics and labour markets.

CO2: understand the concept of unemployment, employment policies and concept of wages.

CO3: understand the role of trade union, industrial disputes and its settlement.

CO4: understand social security policies and State policies with respect to labour welfare in India.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-II: Economics of Labour

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit– I

Nature, scope and subject matter of labour economics; Labour Market: Concept, characteristics, Nature and characteristics and growth of labour markets in India. Theories of Labour markets: Classical, Neo-classical, Dualistic Labour Markets.

Unit– II

Employment and Unemployment – Concept, types and measurements; nature of unemployment in India, Employment policy in five year plans, Casualization of employment in India, Employment in organized and unorganized sector, MGNREGA Scheme .

Wages: classical and neo-classical and bargaining theories of Wages. Concept of Wages –minimum wage, living wage and fair wages in India, Wages and productivity.

Unit– III

Trade Unions; Objectives and functions, Trade unions in India. Industrial Relations in India. Industrial Disputes – Causes and extent, Dispute settlement, Machinery in India in the framework of Industrial Disputes Act.

Unit– IV

Social Security – social assistance, social insurance and social security policy in India. Labour Welfare: State policies with respect to labour welfare in India, Labour Pension Scheme, Labour market reforms in India, exit policy and measures to make labour market flexible; Second National Commission on labour; Globalization and labour markets.

A Seminar on any topic from the syllabus.

Suggested Readings:

1. Datar, B.N.(1968), *Labour Economics*, Allied Publisher, Bombay.
 2. Dunlop J.T. (ed), *Theory of Wages Determination*, Palgrave Macmillan.
 3. I.L.O., *Approaches to Social Security*, various Issues.
 4. Pant, S.C.(1965), *Indian Labour Problems*, Chaitanya Publishing House.
 5. Papola, T.S., P.P. Ghosh and A.N. Sharma (Eds.) (1992), *Labour, Employment and Industrial Relation in India*, B.R. Publishing Corporation, New Delhi.
 6. Tyagi, B.P.(2017), *Labour Economics and Social Welfare*, Jai Prakash Nath and Co., Meerut.
- Note: The latest edition of the books is recommended.*

MASTER OF ARTS (Economics)
Session 2024-25
OPT-III (Theory of Statistics)

Course outcomes:

After passing this course students will be able to:

- CO1:** understand the various probability distributions, importance of its underlying assumptions and its applications
- CO2:** understand the concepts of point and interval estimation and various tests based distributions and its applications
- CO3:** learn the procedure of hypothesis testing and identify appropriate parametric tests for analyzing data.
- CO4:** identify appropriate non-parametric tests for analyzing data.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-III: Theory of Statistics

Time: 3 Hours

L-T-P (Credits):4-0-0
Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit –I

Axiomatic definition of probability, Chebychev's inequality, meaning of theoretical probability distributions; derivation of main properties of binomial, poisson, normal, gamma and beta distributions.

Unit – II

Meaning of sampling distribution of a statistic; desirable properties of point estimators; internal estimation; derivation of main properties of χ^2 , t and F distributions; maximum likelihood estimation (properties without derivation) and applications.

Unit – III

Basic concepts of hypotheses testing; tests of significance based upon Z, χ^2 , t and F distributions.

Unit – IV

Non-parametric tests (without derivations; stress on numerical examples): Ordinary sign test, Wilcoxon's signed rank test, test of randomness, Wald-Wolfowitz run test, Mann-Whitney test, Kruskal-Wallis test, Kendall's concordance test.

A case study on test of significance (t and Chi square test) using a Statistical software.

Suggested Readings:

1. Goon, A.M., Gupta, M.K. and Das Gupta, B. (1977), *An Outline of Statistical Theory*, Vols. I & II, The World Press Ltd., Calcutta.
2. Gupta and Kapoor(2014), *Fundamentals of Mathematical Statistics*, Sultan Chand & Sons , New Delhi
3. Kapur, J.N. and Saxena, H.C. (1997), *Mathematical Statistics*, S. Chand & Co., New Delhi.
Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-IV (Money, Banking and Finance)

Course outcomes:

After passing this course students will be able to:

- CO1:** demonstrate an understanding of nature of money and the role of banks in modern monetary economies.
- CO2:** to understand the role of financial Intermediation and internet banking in economic development of a country.
- CO3:** understand the main policy challenges central banks face in choosing appropriate goals, instruments and targets in the conduct of monetary policy.
- CO4:** understand the main determinants of interest rates in money market and capital market.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-IV: Money, Banking and Finance

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit– I

Money : Definition, functions, kinds of money, Inside and Outside money, Neutrality of money- Don Patinkin's, Meltzer's and Gurley and Shaw's analysis. Supply of money in India: concepts, significance and determinants, mechanics of money supply in India. Demand for Money: The traditional quantity theory; Fisher's equation of exchange; Cambridge cash balance approach. Keynesian, Friedman's and Neo-Keynesian theories of demand for money, empirical evidence.

Unit– II

Financial System: Commercial Banks: Systems, Theories of banking, Portfolio behaviour, Innovative banking, Credit creation, Role in economic development. Non-Bank Financial Intermediaries (NBFI's), Credit creation by NBFI's and monetary policy, Development banking and its lending activities with special reference to India.

Unit– III

Banking in India; Structure of Commercial Banks; Regional Rural Banks (R.R.B.'s); Cooperative Banks, Nationalization of banks in India, Banking Sector reforms.

Central Banking: Functions with special reference to developing countries, Monetary policy: Objectives, Targets and Indicators. Transmission Mechanism, Lags in Monetary policy; Reserve Bank of India, limitations of RBI.

Unit– IV

Rate of Interest: Determination; Theories of the term structure of interest rates, Nature, structure and policy of interest rates in India; Money and Capital markets: Structure, Treasury Bills Market, Call money market and Stock markets in India(Introductory), Mutual Funds (concept), Dichotomy in Indian money market; Financial sector reforms (recent developments).

A Case study of the Problems of Cooperative Banks/ Regional Rural Banks in India

Suggested Readings:

1. Thorn, Richard S., (1976), *Introduction to Money and Banking*, New York, Harper & Row.
 2. Bhole, L.M., (1998), *Financial Institutions and Markets Structure, Growth and Innovations*, 2nd ed.
 3. Paul, R.R., (2018), *Monetary Economics*, Kalyani Publishers, New Delhi.
 4. Reserve Bank of India (1985), *Report of the Committee to review the working of the Monetary System*.
 5. Narasimham M. (1991), *Report of Committee on the Financial System*, Government of India
 6. Narasimham M. (1998), *Report of Committee on Banking Sector Reforms*, Government of India
- Note: The latest edition of the books is recommended.*

MASTER OF ARTS (Economics)
Session 2024-25
OPT-V (Industrial Economics)

Course outcomes:

After passing this course students will be able to:

- CO1:** understand concepts and problems of industrial economics and the theories of market structure
- CO2:** learn about industrial conduct and performance
- CO3:** understand the growth of industrial sector and Industrial policy in India in the context of concentration of industrial setup and globalization
- CO4:** understand different criteria's of project appraisal and understand the nature, problems and exit policy regarding industrial labour

MASTER OF ARTS (Economics)
Session 2024-25
OPT-V: Industrial Economics

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit– I

Framework and Problems of Industrial Economics: Concept and organization of a firm – ownership, control and objectives of the firm;

Market Structure: Product differentiation; Entry conditions; Economies of Scale; Market structure and innovation; Theories of industrial location – Weber and Sargent Florence; Factors affecting location.

Unit– II

Market Conduct: Product Pricing - Theories and evidence; Investment expenditure – Methods of evaluating investment expenditure; Mergers and Acquisitions; diversification.

Market Performance: Growth of the firm – Theory and evidence; Constraints on firm's growth; Productivity, efficiency and capacity utilization – Concept and measurement including evidence from Indian Economy.

Unit– III

Indian Industrial Growth and Pattern: Industrial Policy in India – evolution and paradigm shift; Recent trends in Indian industrial growth; MNCs, transfer of technology and issues related with TRIMS; Privatization: Forms and global and Indian evidence; Regional industrial growth and concentration in India; economic concentration and remedial measures; Issues in Industrial proliferation and environmental preservation.

Unit– IV

Project Appraisal: Cost benefit analysis – Net Present Value (NPV) and internal rate of return (IRR) criteria – balancing private and social returns.

Industrial Labour: Structure of industrial labour; Globalization and labour; Exit Policy and safety nets.

A Seminar on any topic from the syllabus.

Suggested Readings:

1. Bains, J.S (1959), *Industrial Organization*, John Wiley and Sons.
2. Barthwal R.R.,(2010), *Industrial Economics: An Introductory Text*, Wiley Eastern, New Delhi.
3. Chadha, V. and G.S. Bhalla (1999), *Industrial Development in India: The Post-Reform Scene*, Kalyanai Publishers, New Delhi
4. Dutt and Sundram (2016), *Indian economy*, S.Chand Publications, New Delhi.
5. Dhar, P.K. (2016), *Indian Economy: Its Growth and Dimensions*, Kalyani Publications.

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-VI (History of Economic Thought)

Course outcomes:

After passing this course students will be able to:

CO1: understand key models and concepts of the history of economic thought.

CO2: understand a historical consciousness of economic ideas.

CO3: understand the development of economic thought in the context of the evolving global economy and from a historical perspective.

CO4: understand the economic thought associated with basic concepts of Keynesian and post Keynesian Macroeconomics

MASTER OF ARTS (Economics)
Session 2024-25
OPT-VI: History of Economic Thought

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

Mercantilism: Its origin and content - economic ideas of Petty, Cantillon, Locke and Hume.

Physiocracy: Natural order, primacy of agriculture, social classes and circulation of wealth.

Unit – II

The Classical System: Adam Smith- Division of Labour, theory of value and distribution, economic growth and international trade; David Ricardo- Theory of value and distribution, foreign trade, economic development and theory of rent; T.R. Malthus- Theory of Population, theory of gluts; J.S. Mill- Laissez faire and protection; J.B. Say- Law of Markets; Karl Marx: dynamics of social change, theory of value and surplus value, theory of capitalist competition.

Unit – III

The Marginalists and Neo-Classicism: Precursors to marginalism- Gossen, Jevons, Menger and Walras; The Austrian School- Wiser and Bohm-Bawerk: Theory of capital and distribution; K. Wicksell and the Swedish School; Wicksteed on laws of distribution; The American Contribution: Clark, Walker and Schumpeter on the theory of growth and business cycles; Marshallian Economics: Price determination and elasticities, consumer surplus, costs and economies, rent and profit.

Unit – IV

Keynes and Post Keynesian developments: Marginal efficiency of capital and investment, theory of wages and interest, underemployment equilibrium and the role of fiscal policy, theory of multiplier and business cycles; Post Keynesian developments in consumption function, quantity theory of money, inflation, business cycles and economic growth.

A Seminar on any topic from the syllabus.

Suggested Readings:

1. Hanley, L.H (1949), *History of Economic Thought*, Macmillan.
2. Blaug, M (1990), *Economic Theory in Retrospect*, Cambridge University press, New York
3. Spiegel, H.W.(1991), *The Growth of Economic Thought*, Duke University Press, Durham and London

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-VII (Economics of Socialism)

Course outcomes:

After passing this course students will be able to:

- CO1:** understand different types of economic system.
- CO2:** understand the process of socialism, its crisis and problem of socialistic economy in the context of Marxian theory of surplus.
- CO3:** learn different forms of planning, resource allocation in Planning and relevance of balanced approach and unbalanced approaches of planning.
- CO4:** understand the system pricing, consumption, management decision in industry and Agriculture and international economic relations in socialistic pattern

MASTER OF ARTS (Economics)
Session 2024-25
OPT-VII: Economics of Socialism

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

Economic system; meaning and features; Distinguishing features of different economic systems pre-capitalist, capitalism, socialism and mixed economy.

Unit – II

Marxian Theory of surplus value, crisis, breakdown and socialism, Pre-requisites, Problems and processes of socialist transformation, Economic problems of socialist economies.

Unit – III

Organizational forms of planning, indicators of planning, development priorities and resource allocations. Balance approach; inter-sectoral and inter-regional balances.

Unit – IV

Pricing, consumption, management of industry and agriculture, International economic relations between socialist and developing economies; breakdown of socialist system.

A Seminar on any topic from the syllabus.

Suggested Readings:

1. Lavinge, M. (1974), *Socialist Economies of Soviet Union and Europe*, Publisher M. Robertson
2. Leontive, L.(1969), *A Short Course of Political Economy*, Central Books Ltd.
3. Lange, O. & Taylor (1964), F.M., *On the Economics Theory of Socialism*, Mcgraw Hills

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-VIII (Econometrics)

Course outcomes:

After passing this course students will be able to:

CO1: understand the nature and methodology of econometrics and understand the OLS procedure of estimation of regression model

CO2: understand the nature and solutions of problems associated with estimation of regression

CO3: understand the basic issues of time series data while estimating regression models.

CO4: understand the basics dummy variables and introductory panel data models

MASTER OF ARTS (Economics)
Session 2024-25
OPT-VIII: Econometrics

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

Nature, meaning and scope of econometrics. Simple and general linear regression model – Assumptions, estimation (through OLS approach) and properties of estimators, Gauss-Markov's theorem (Two variable and k-variable), Concepts and derivation of R^2 and adjusted R^2 . Estimation of regression using SPSS and Interpretation of Output.

Unit – II

Concept of analysis of variance approach and its applications in regression analysis. Nature, test, consequences and remedial steps of the problems of Heteroscedasticity and Multicollinearity.

Unit – III

Nature, test, consequences and remedial steps of the problem of auto-correlation. Concepts of stationarity, random walk model, unit roots-Dicky-Fuller test and Augmented Dicky-Fuller test, Cointegration, Causality analysis (Granger and Sim's test).

Unit – IV

Introduction to panel data models: Fixed effect and random effect models. Dummy variables techniques: Alternative applications – Testing structural stability of regression models, comparing two regression equations, interaction effect, seasonal analysis.

A case study on applications of regression analysis using a Statistical software.

Suggested Readings:

1. Gujarati, D.N (2002), *Basic Econometrics*, McGraw Hill, New Delhi.
2. Koutsoyiannis, A (2001), *Theory of Econometrics*, The Macmillan Press Ltd., London.

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-IX: Economics of Agriculture

Course outcomes:

After passing this course students will be able to:

CO1: understand the various theories of agriculture economics.

CO2: analyze trends in production & productivity and recognize the challenges in green revolution and post green revolution era

CO3: understand the ways and means of sustainability in agriculture through institutional reforms and technical reforms

CO4: learn about the price and marketing policies of agriculture and its implications

MASTER OF ARTS (Economics)
Session 2024-25
OPT-IX: Economics of Agriculture

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit I

Basic Agricultural Economics – Production functions in agriculture: Input-input and product-product relationship; Inter-sectoral linkages of agriculture (Backward and forward linkages). Models of agricultural development – Lewis, Fei-Ranis, Jorgenson's, Mellor, Schultz and Boserp's model.

Unit II

Basic Inputs – Irrigation, HYV seeds, mechanization, distribution mechanism of inputs, New agricultural strategy and its impact on employment and income distribution. Food security and international trade, concept, threat, indicators and mechanism to food security. Food assistance programme (Domestic and International).

Unit III

Institutional Structure – Nature of emerging agrarian structure – co-operative farming and its evaluation with reference to productivity, employment and income distribution, Environment and soil erosion, sustainable development. Organic farming– meaning, techniques of organic farming and its scope in India.

Unit IV

Marketing and Prices – Nature of supply and demand for agricultural products; income and price elasticity of demand and supply, Agriculture marketing in India, Rationale for state intervention, Agricultural price policy (recent), Terms of trade between agriculture and industry. Main features of International trade in Agri-products. WTO – subsidies and Indian agriculture.

A Case study on agriculture problems of a village

Suggested Readings:

1. Barkey .A. and Barkey.P.(2016), *Principles of Agriculture Economics*, Taylor and Francis
2. Bhalla, G.S. and Tyagi, D.S. (1989), *Patterns in Indian Agricultural Development*, RSID
3. Dantwala, M.L. (1992), *Indian Agriculture Development Since Independence: A collection of Essays*, South Asian Books
4. Dasgupta, B. (1980), *The New Agricultural Technology in India*, Mcmillan.

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-X Economics of Public Enterprises

Course outcomes:

After passing this course students will be able to:

- CO1:** understand the role of public sector in economic development, objectives scope and growth of public sector in India.
- CO2:** understand the management of public enterprises and personnel management in public enterprises.
- CO3:** explain the costs and benefit analysis –Net Present Value and Internal rate of return criteria.
- CO4:** discuss the role of bureau of public enterprises and special committees on public enterprises.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-X: Economics of Public Enterprises

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit– I

Role of Public Sector in economic development. Objectives, scope and growth of public sector in India. Cost-benefit analysis, shadow prices, social rate of discount, practical approaches in project selection.

Unit– II

Organizational Pattern of public enterprises. Management of Public enterprises: Personal Management in Public Enterprises, Financial management in Public enterprises.

Unit– III

Evaluation of performance of public enterprises, Measurement of efficiency in public enterprises, Pricing Policy of Public Enterprises. Public sector reforms and privatization strategies.

Unit– IV

Accountability of Public Enterprises, Relationship with the government, Auditing of Public Enterprises. Role of Bureau of Public Enterprises , Special Committees in Public Enterprises.

Case study of public sector steel industry in India-growth performance, pricing and management.

A Case study on problems of local public enterprises

Suggested Readings:

1. Jagdishprakash (2010), *Administration of Public Enterprises in India*, Himalaya Publishing House .
2. Khera, S.S. (1964), *Management and Control in Public Enterprises*, Asia Publishing House Bombay.
3. NarainLaxmi (1981), *Principles and Practice of Public Enterprises Management*, Ajanta Publications, New Delhi.
4. Sinha, J.B.S. (1974), *Some Problems of Public Sector Organisation*, National [Publishing House; overseas distributors: Books from India], London

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)

Session 2024-25

Course Code: MECM- 2125 (OPT - XI)

Computer Applications for Economists

COURSE OUTCOMES

After passing this course the student will be able to:

- CO1:** Comprehend the organization of Computer System, functioning of various units and storage.
- CO2:** Demonstrate the use of Mobile as computing device and apply new technology in day to day activities.
- CO3:** Apply features of word processing and spreadsheet software for data manipulation, data entry, worksheet formatting, functions and formulae.
- CO4:** Comprehend and apply SPSS for economics related calculations.

MASTER OF ARTS (Economics)

Session 2024-25

Course Code: MECM- 2125 (OPT - XI)

Computer Applications for Economists

Time: 3+3 Hours

L-T-P (Credits):3-0-1

Max. Marks: 100

Theory: 50

Practical: 30

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 10 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT– I

Fundamentals of Computer: Introduction to computer, Applications of computer, Input and Output devices, Memory – Primary and Secondary.

Latest trends and Technologies in IT: Digital Camera, Smart finger: Distance measuring tool, Nipper, Stylus, Tiny cube speaker, Airpods, Mobile as a computing device, Payment gateway, Payment methods: Net-banking, m-Banking, UPI, Debit/Credit Card, Mobile Wallets.

UNIT II

Word Processing: Introduction to word processing & its features, parts of window of word processing (Title bar, menu bar, status bar, and ruler), understanding the ribbon, use of office button and quick access toolbar, creation of new documents, opening document, insert a document into another document. Page setup, margins, gutters, font properties, alignment, page breaks, header & footer, deleting, moving, replace, editing text in document, saving a document, spell checker, printing a document. Creating a table, entering and editing text in tables, changing format of table, height and width of row/column editing, adding and deleting rows/columns. Adding picture, page colors and watermarks, borders, shading, drawing objects.

UNIT –III

Spreadsheet: Introduction to worksheet/spreadsheet, features, creating a new workbook, different functions on different data in excel, creation of chart, creation of worksheet, adding, deleting, moving the text in worksheet, linking, sorting the data, querying the data, filtering the data (auto and advance filters), open an already existing workbook, saving workbook, printing a worksheet, closing the workbook & exiting.

UNIT -IV

SPSS: Introduction, Data editor Window, Syntax, Output basics, If command, Filter command, Entering and modifying data, Creating a chart, using interactive chart function, difference between excel and SPSS.

Suggested Readings:

1. Jain S., M. Geetha, Kratika, (2017), *BPB's Office 2010 Course Complete Book*, BPB Publications.
2. Singh R. and G. Singh, (2011), *Windows based computer courses*, Kalyani Publishers.

3. Sharma A. (2016), *A book of Fundamentals of Information Technology*, Lakhanpal Publishers, 5thed.
4. Balagurusamy, E. (2002), *Programming in ANSI C*, Tata McGraw-Hill, 5th ed.
5. Kanetkar Y., (2020), *Let us C*, BPB Publications, 17th ed.
6. Sharma A (2016), *Learn programming in C*, Lakhanpal Publishers, 7th ed.
7. Jasrai L. (2020), *Data Analysis using SPSS*, SAGE Publications Pvt. Ltd., 1st Edition

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-XII: Operations Research

Course outcomes:

After passing this course students will be able to:

- CO1:** gain proficiency with tools from optimization techniques like advanced linear programming, transportation, queuing models and assignment problems.
- CO2:** understand and propose the best strategy among various strategies of game theory under uncertainty.
- CO3:** understand the basic replacement models to maximize firms profit or minimize losses.
- CO4:** use CPM and PERT techniques, to plan, schedule, and control project activities.

MASTER OF ARTS (Economics)
Session 2024-25
OPT- XII: Operations Research

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

Definition, significance, scope and limitations of operations research, Linear Programming: Assumptions, formulation and solution by graphic method, simplex and two phase simplex method.

Unit – II

Transportation Problems, Assignment Problems. Game Theory: Competitive games, Pure strategy, by Dominance, Mixed strategy (2x2, mx2 and 2xm), Two persons zero sum games, 'n' persons zero sum games, Solution of Game problems with Linear Programming.

Unit – III

Queuing Models: Characteristics Single channel Queuing models:

Model I (M/M/I) : (FCFS/ ∞/∞)

Model II (M/M/I) : (SIRO/ ∞/∞)

Model III (M/M/I) : (FCFS/N/ ∞) – (Finite Queue Length Model)

Model IV (M/M/I) : (FCFS/n/N) - (Limited Source Model)

Inventory Model with Deterministic Demand and Probabilistic Demand.

Unit – IV

Replacement models of items that deteriorate (money value constant and changes), For items that fail suddenly (Individual replacement policy and Group replacement policy) Project Scheduling by PERT and CPM

Suggested Readings:

1. Wagner, H.M. (1973), *Principles of Operations Research with Applications to Managerial Decisions*, Prentice Hall India Learning Private Limited
2. Levin, R.I. and Kirk Patrick, C.A., (1978), *Quantitative Approaches to Management*, McGraw-Hill Inc.,US
3. Hartley, R.V., (1976), *Operations Research: A Managerial Emphasis*, Goodyear Pub. Co
4. Hardy, A. Taha, (1976), *An Introduction to Operations Research*, Collier Macmillan Ltd; 2nd Revised edition

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-XIII: Economics of Environment and Demography

Course outcomes:

After passing this course students will be able to:

- CO1: understand different concepts related to environmental economics and environment protection and sustainable economic development.
- CO2: understand environment policies and protection; and inter-linkage between poverty, population and environment
- CO3: understand various theories of population growth and indicators of demographic change.
- CO4: understand population policies related to women empowerment, family welfare, human development and challenges.

MASTER OF ARTS (Economics)

Session 2024-25

OPT-XIII: Economics of Environment and Demography

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

Environment-economy-population linkage, environment as a public good, common property resources. Environmental Economics and Ecological Economics. Environmental benefits – use value and non-use values, methods of measurement, costs of environmental protection, environment and development trade-off, sustainable development, neo-classical and ecological views.

Unit – II

Environmental policies, Pigovian taxes and subsidies, marketable pollution permits, environmental regulations – command and control, incentive based, promoting clean technology, energy policy. Relationship between poverty, population and environment.

Unit – III

Demography and its concepts, population and economic development, theories of population – Malthus, optimum theory, theory of demographic transition. Factors affecting fertility, nuptiality-concept and analysis, mortality-concepts and factors affecting, Concept of Gender Issues.

Unit – IV

Population policy in India – shift in population control to family welfare to women empowerment, population and human development issues, new population policy, tasks before National Population Commission.

A Case study on environmental issues due to Agricultural Farming/sex ratio in a locality

Suggested Readings:

1. Bhattacharya, R.N. (ed) (2001), Environmental Economics: An Indian Perspective, Oxford, New Delhi.
2. Sengupta, R.P. (2001), Ecology and Economics: An Approach to Sustainable Development, Oxford, New Delhi.
3. Simon, J.L. (1992), Population and Development in Poor Countries, Princeton University Press.
4. Chaubey, P.K. (2000), Population Policy in India, Kanisha Publications, New Delhi.

Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-XIV: Economics of Infrastructure

Course outcomes:

After passing this course students will be able to:

- CO1:** understand the relevance of infrastructure and public utilities in economic development of country.
- CO2:** understand key issues and problems of infrastructure related to transport and telecommunication.
- CO3:** understand the energy issues and policies in India.
- CO4:** to understand the problems and issues of pricing of public goods especially in the context of education and health services; their financing and determinants.

MASTER OF ARTS (Economics)
Session 2024-25
OPT-XIV: Economics of Infrastructure

Time: 3 Hours

L-T-P (Credits):4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

Infrastructure and economic development – Infrastructure as a public good; Social and physical infrastructure; Special characteristics of public utilities. The peak-load, Off-peak load problem, Dual principle controversy; Economies of scale of joint supply.

Unit – II

The structure of transport costs and location of economic activities. Demand for transport models of freight and passenger demand. Cost functions in the transport sector. Principles of pricing. Special problems of individual modes of transport; Inter-model condition in the Indian situation. Rate-making in telephone utilities. Principles of decreasing costs in telephone industry.

Unit – III

Primacy of energy in the process of economic development. Factors determining demand for energy; Effect of energy shortages. Energy conservation, Renewable and non-conventional sources of energy, Energy modelling, Energy policy in the Indian context. Bulk supply and pricing of electricity. The relative economics of thermal, hydel and nuclear power plants. National power grid. Financing water utilities. Urban and rural water supply. The exploitation of natural gas. Pricing problem.

Unit – IV

Organization and financing of supply of social services. Private vs. public sector financing; Recent debate about the fixation of prices of social services. Development of social services in the successive Indian plans. Education and economic growth. Approaches to education planning. Social demand. Rate of return and manpower balance approaches. The case for universal and free primary education; Structure of higher education and problems of its financing in India; Human resources and human capital development. The issues in education policy; Health dimensions of development; Determinants of health – poverty, malnutrition, illiteracy and lack of information; Economic dimensions of health care – Demand and supply of health care; Financing of health care and resource constraints; Inequalities in health – class and gender perspectives; Institutional issues in health care delivery.

A Seminar on any topic from the syllabus.

Suggested Readings:

1. Berman, P. and M.E. Khan (1993), *Paying for India's Health Care*, Sage Publications, New Delhi.
2. Centre for Monitoring Indian Economy (1996), *India: Energy Sector*, CMIE, Mumbai.
3. Fariss, M.T. and R. Sampson (1975), *Public Utilities*, Houghton Mifflin, Boston.
4. Goyal, S.K. (Ed.) (1985), *Public Enterprises*, Indian Institute of Public Administration, New Delhi.
5. Indian Council of Social Sciences Research (ICSSR) (1976), *Economics of Infrastructure*, Vol. VI, New Delhi.

6. McMohan, W.W. (1999), *Education and Development: Measuring the Social Benefits*, Oxford University Press, Oxford.
7. 10. Norton, H.S. (1971), *Modern Transport Economics* C.E. Merrill, London.
8. Panchamukhi, P.R. (1980), *Economics of Health: A Trend Report in ICSSR*, A Survey of Research in Economics, Vol. VI, Infrastructure, Allied, Delhi.
9. Parikh, J. (Ed.) (1997), *Energy Models for 2000 and Beyond*, Tata McGraw-Hill, New Delhi.
Note: The latest edition of the books is recommended.

MASTER OF ARTS (Economics)
Session 2024-25
Course Code: MECD-3175
Course Name: Dissertation

After the completion of this course students will be capable to:

CO1: understand the basic skills of to find, manage literature related to the study.

CO2: reading approach to the literature related to the study.

CO3: understand the basic issues of research methodology.

CO4: to formulate research problems and skills of research write ups.

MASTER OF ARTS (Economics)
Session 2024-25
Course Code: MECD-3175
Course Name: Dissertation

Credits: L-T-P 4-0-0
Max. Marks: 100
Theory: 80
CA: 20

Students are required to submit three chapters:

- Chapter-I will cover introduction, objectives and plan of the study where the student will learn how to articulate research problem.
- Chapter-II will cover review of literature.
- Chapter-III will cover database and methodology (covering the setting up of hypothesis).

Marks will be awarded on the basis of Viva-voce.

MASTER OF ARTS (Economics)

Session 2024-25

Course Code: MECD-4175

Course Name: Dissertation

After the completion of this course students will be capable to:

CO1: understand and application of analytical tools to analyse the articulated problem.

CO2: do collection and management of data.

CO3: understand and interpret the output generated using analytical tools.

CO4: analyse and draw the significance of the problem under study.

MASTER OF ARTS (Economics)

Session 2024-25

Course Code: MECD- 4175

Course Name: Dissertation

Credits: L-T-P 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Students are required to submit additional two chapters along with three chapters submitted in the previous semester:

- Chapter-IV will cover analysis of data and write up of findings
- Chapter-V will cover policy implications and significance of study

Marks will be awarded on the basis of Viva-voce.

Annexure H-S

FACULTY OF ECONOMICS AND BUSINESS

Syllabus

of

Economics as a subject in interdisciplinary Programs

Session: 2024-25



The Heritage Institution

KanyaMahaVidyalaya,Jalandhar

(Autonomous)

Annexure H

FACULTY OF ECONOMICS AND BUSINESS

**Syllabus of Economics
for**

**Bachelor of Commerce (Honours)
Semester-I & II**

(Under Credit Based Continuous Evaluation Grading System)

(12+3 System of Education)

Session: 2024-2025



**The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULAM OF EXAMINATION OF FOUR YEAR DEGREE PROGRAMME

Bachelor of Commerce (Honours) Semester –I & II
Under Credit Based Continuous Evaluation Grading System (CBCEGS)
Session 2024-2025

Semester I										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th./D	P	CA	
BCRL-1176	Business Statistics	DSC	4-0-0	4-0-0	4	100	80	–	20	3

DSC- Discipline Specific Courses

Semester II										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th./D	P	CA	
BCRL-2175	Business Economics	DSC	4-0-0	4-0-0	4	100	80	–	20	3

DSC- Discipline Specific Courses

Bachelor of Commerce (Honours) Semester – I

Session 2024-2025

Course Code: BCRL–1176

Course Title: Business Statistics

Course outcomes:

After the successful completion of this course, students will be able to-

CO1: learn the basic statistical analysis techniques by using central tendency.

CO2: analyze the data by using dispersion and learn the relationship between variables and prediction using correlation and regression..

CO3: compare magnitudes of related variables to each other and over a period of time and also to have knowledge about index numbers.

CO4: understand the some basic techniques of time series analysis in analyzing economics problems and introductory applications of probability.

Bachelor of Commerce (Honours) Semester – I

Session 2024-2025

Course Code: BCRL–1176

Course Title: Business Statistics

**Time: 3 Hours
0-0**

L-T-P (Credits): 4-

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit-I

Definition, Meaning, Functions, Scope and Limitations of Statistics.

Measures of Central Tendency: Types of averages–Arithmetic Mean (Simple and Weighted), Median and Mode.

Unit-II

Measures of Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation and Coefficient of Variation.

Simple Correlation and Regression: Meaning, Types, Karl Pearsons & Rank Correlation (Excluding grouped data), Probable Error and Standard Error.

Unit-III

Index Numbers: Meaning and Importance, Methods of construction of Index Numbers:

Weighted and Unweighted; Simple Aggregative Method, Simple Average of Price Relative Method, Weighted Index Method: Laspeyre's Method, Pasche's Method and Fisher's Ideal method including Time and Factor Reversal tests. Splicing.

Unit-IV

Time Series Analysis: Components, Estimation of Trends (Graphical method, Semi Average Method, Moving Averages Method and Method of Least Squares for linear path).

Probability: Conceptual Meaning and Definition of Probability, Theorems of Probability– Addition and Multiplication theorem of Probability and Concept of Conditional Probability (Simple Applications)

Suggested Readings:

1. Chandan, J.S.(1998), *Statistics for Business and Economics*, 1st Edition, Vikas Publishing House Pvt. Ltd.
2. Gupta, S.C. (2018), *Fundamentals of Statistics*, Himalayan Publishing House, Delhi.
3. Gupta, S. P. (2011), *Statistical Methods*, S. Chand Publications, New Delhi.
4. Siegel, Andrew F. (2011), *Practical Business Statistics*, International Edition, McGraw Hill Irwin.

Note: The latest edition of the books is recommended.

Bachelor of Commerce (Honours) Semester – II
Session 2024-2025
Course Code: BCRL-2175
Course Title: Business Economics

Course outcomes:

After the successful completion of this course, students will be able to –

CO1: have an in-depth understanding of the preliminary concepts about consumer behaviour.

CO2: learn about the various concepts of cost and revenue, and the production function.

CO3: learn about various market structures and its role in price determination.

CO4: understand the concept of national income and methods of its estimation and learn about the consumption function.

Bachelor of Commerce (Honours) Semester – II

Session 2024-2025

Course Code: BCRL-2175

Course Title: Business Economics

**Time: 3 Hours
0**

L-T-P (Credits): 4-0-

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit-I

Theory of Demand: Meaning of demand and its types, law of demand, price elasticity of demand and its measurement.

Consumer's Behaviour: Utility approach: Brief outline of law of diminishing marginal utility and law of equi-marginal utility.

Indifference Curve Approach: Meaning, properties, price, income and substitution effect, Revealed preference approach.

Unit-II

Theory of Production: Law of variable proportions and law of returns to scale, traditional and modern theory of costs (short run and long run).

Revenue: Average revenue, marginal revenue and total revenue, relationship between average revenue and marginal revenue and elasticity of demand.

Unit-III

Perfect Competition: Meaning, features, price and output determination of firm and industry.

Monopoly: Meaning, features, price and output determination and price discrimination.

Monopolistic Competition: Meaning, features, price and output determination.

Unit-IV

National Income: Definition and Importance of National Income, Gross and Net Domestic Product, Personal Income and Disposable Income; Measurement of National Income: Income, Output and Expenditure Method, Problems in measurement of National Income particularly in underdeveloped countries.

Consumption: Meaning, determinants (subjective and objective) and importance, Keynes' Psychological law of consumption.

Suggested Readings:

1. Dwivedi, D.N.(2009) *Managerial Economics*, 7th Edition, Vikas Publication.
2. Maheswari & Varshney, *Managerial Economics*, S. Chand & Co., New Delhi.
3. Koutsoyiannis A., *Modern Micro Economics*, 2nd edition, MacMillan House, New Delhi.
4. Ahuja, H. L. (2009), *Modern Micro Economics*, Sultan Chand and Co., New Delhi.

Note: The latest edition of the books is recommended.

FACULTY OF ECONOMICS AND BUSINESS

Syllabus of Economics

for

**Bachelor of Business Administration (Honours)
Semester-I**

**(Under Credit Based Continuous Evaluation Grading System)
(12+3 System of Education)
Session: 2024-2025**



**The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULAM OF EXAMINATION OF FOUR YEAR DEGREE PROGRAMME
Under Credit Based Continuous Evaluation Grading System (CBCEGS)

Bachelor of Business Administration (Honours) Semester – I
Session 2024-2025

Semester I										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th./D	P	CA	
BBRL-1175	Managerial Economics-I	DSC	4-0-0	4-0-0	4	100	80	–	20	3

DSC- Discipline Specific Courses

Bachelor of Business Administration (Honours) Semester – I

Session 2024-2025

Course Code: BBRL-1175

Managerial Economics

Course outcomes:

After passing this course, students will be able to:

CO1: describe and apply the methods of analyzing consumer behavior through demand, elasticity of demand and utility.

CO2: will have in-depth knowledge of indifference curve analysis and concept of supply.

CO3: learn about the various concepts of production function, cost and revenue.

CO4: learn about various market structures

Bachelor of Business Administration (Honours) Semester – I

Session 2024-2025

Course Code: BBRL-1175

Managerial Economics

**Time: 3 Hours
0-0**

L-T-P (Credits): 4-

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit – I

Theory of Demand: Meaning of demand and its types, Law of demand; Price Elasticity of demand: degrees and its measurement.

Consumer's Behaviour: Utility approach (Brief outline of law of diminishing marginal utility and law of equi-marginal utility).

Unit – II

Indifference Curve Approach: Consumer equilibrium, Income, Price and Substitution effect. Revealed Preference Approach.

Theory of Supply: Concept and law of supply, factors affecting supply.

Unit – III

Theory of Production: Law of variable proportions, total, average and marginal physical product, Law of Returns to scale, Economies and diseconomies of scale.

Theory of Cost: Short and Long period costs, Concept of total cost, Marginal and Average cost, Theory of Cost in Short-run and Long-run.

Concept of revenue: Total Revenue, Average Revenue, Relationship between Average and Marginal Revenue and Price Elasticity of Demand.

Unit – IV

Pricing Under Various Market Conditions: Perfect Competition - Equilibrium of Firm and Industry under Perfect Competition; Monopoly - Price determination under Monopoly; Monopolistic Competition - Price and Output determination under Monopolistic Competition.

Suggested Readings:

1. Ahuja, H.L.(2018), *Advanced Economics Theory: Micro Economics analysis*, S. Chand Publishing.
2. Dwivedi, D.N. (2018), *Microeconomics: Theory and Applications*, Pearson Education, New Delhi.
3. Koutsoyiannis, A. (2015), *Modern Microeconomics*, Macmillan Press, London.
4. Sen, A. (2007), *Microeconomics: Theory and Applications*, Oxford University Press, New Delhi.

Note: The latest edition of the books is recommended..

FACULTY OF ECONOMICS AND BUSINESS

Syllabus of Economics

for

**Bachelor of Business Administration
Semester–III**

**(Under Credit Based Continuous Evaluation Grading System)
(12+3 System of Education)
Session: 2024-2025**



**The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULAM OF EXAMINATION OF THREE YEAR DEGREE PROGRAMME
Under Credit Based Continuous Evaluation Grading System (CBCEGS)

Bachelor of Business Administration Semester – III
Session 2024-2025

Semester III										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th./D	P	CA	
BBRL-3173	Statistics For Business	C	4-0-0	4-0-0	4	100	80	–	20	3

C- Compulsory

Bachelor of Business Administration Semester – III
Session 2024-2025
Course Code: BBRL-3173
Statistics for Business

Course outcomes:

After passing this course students will be able to:

CO1: understand the techniques of presentation, analysis of data, and basics of matrices and its determinants.

CO2: analyze the data using techniques of central tendency and dispersion.

CO3: learn the relationship between variables and prediction using correlation and regression and also understand the concept of time series in analyzing economics problems.

CO4: compare magnitudes of related variables to each other and over a period of time, and concepts of probability.

Annexure L

FACULTY OF ECONOMICS AND BUSINESS

SYLLABUS

OF

ECONOMICS

For

Master of Commerce SEMESTER-I & II

(Under Credit Based Continuous Evaluation Grading System)

Session: 2024-2025



The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

**SCHEME AND CURRICULAM OF EXAMINATION OF
Master of Commerce (Semester-I)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session 2024-2025)**

Semester-I										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	
MCML-1171	Managerial Economics	C	4-0-0	4-0-0	4	100	80	-	20	3

C- Compulsory

Semester-I										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	
MCMM-1095	Statistical Analysis for Business	C	3-0-2	3-0-1	4	100	50	30	20	3+1

C- Compulsory

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULAM OF EXAMINATION OF
Master of Commerce (Semester-II)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session 2024-2025)

Semester-II										
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	
MCMM-2095	Research Methodology	C	3-0-2	3-0-1	4	100	50	30	20	3+1

C- Compulsory

Master of Commerce (Semester-I)
Session 2024-2025
Course Title: Managerial Economics
Course Code: MCML-1171

Course outcomes:

After passing this course, students will be able to:

- CO1:** Understand the concepts of managerial economics and, theory and elasticity of demand.
- CO2:** Understand in-depth knowledge of theories of consumer behaviour and production function.
- CO3:** Understand the theories of cost and market structure
- CO4:** Understand the concept of national income, consumption function and Inflation.

Master of Commerce (Semester-I)
Session 2024-2025
Course Title: Managerial Economics
Course Code: MCML-1171

Time: 3 Hours

L-T-P (Credits): 4-0-0
Max. Marks: 100
Theory: 80
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit-I

Managerial Economics: Meaning, Nature, Scope and Concepts.

Law of Demand: Meaning, Determinants, Exceptions, Kinds of Demand, Change in Demand and Importance of Law of Demand.

Elasticity of Demand: Meaning, Types and Degrees of Elasticity of Demand, Methods of measuring Price Elasticity of Demand, Factors Determining Elasticity of Demand, Importance.

Unit-II

Marginal Analysis: Law of Diminishing Marginal Utility, Law of Equi-marginal Utility

Indifference Curve Analysis: Meaning, Assumptions, Properties, Consumer Equilibrium, Importance.

Production Function: Meaning, Law of Variable Proportion and Law of Returns to Scale Economies and Diseconomies of Scale.

Unit-III

Theories of Costs: Types of Costs, Traditional Theory: Long Run & Short Run, Modern Theory: Long Run & Short Run.

Managerial Theories: Profit maximization and Sales Maximization.

Market Structure: Meaning, Assumptions and Equilibrium of Perfect Competition, Monopoly, Monopolistic Competition.

Oligopoly: Sweezy Model.

Unit-IV

National Income: Conceptual Framework, Measures of National Income, Methods of Measurement of national income and Limitations/problems in measurement of national income, importance of measurement of national income

Consumption Function: Meaning, and Nature, Determinants and Measures to Raise Propensity to Consume, Keynes Psychological Law of Consumption – Meaning, Properties and Implications.

Inflation: Meaning, Types, Theories of Inflation, effects and control of Inflation.

Suggested Readings:

1. Ahuja, H. L. (2009), *Modern Micro Economics*, Sultan Chand and Co.
2. Koutsyannis A. (1977), *‘Modern Microeconomics’*, 2nd Edition, Macmillan Press, London.
3. Mithani, D.M.(2009), *‘Managerial Economics’*, 5th Edition Himalaya Publishing House, New Delhi.
4. Adhikari, M., *Economic Analysis for Business Decision*.

Note: The latest edition of the books is recommended.

Master of Commerce (Semester-I)
Session 2023-24
Course Title: Statistical Analysis for Business
Course Code: MCMM-1095

Course Outcomes:

After successful completion of this course, students will be able to –

CO1: understand the concept of Probability theory and distributions.

CO2: analyze the techniques of data collection (primary and secondary).

CO3: ways of questionnaire designing and formulation of hypothesis.

CO4: identify, use and interpret the results of statistical tools and techniques

Master of Commerce (Semester I)
Session 2023-24
Course Title: Statistical Analysis for Business
Course Code: MCMM-1095

Time: 3 hours
Hours per week
L-T-P
3-0-2

Max. Marks: 100
Theory: 50
Practical: 30
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 10 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit-I

- Probability Theory: Probability–classical, relative, and subjective probability; Addition and multiplication probability models.
- Probability Distributions: Binomial, Poisson, and normal distribution, their characteristics and applications.

Unit-II

- Sampling and Data Collection: Sampling and sampling (probability and non-probability) methods; Sampling and non–sampling errors.
- Primary data collection techniques; Survey and Observation methods: Secondary data sources; Commercial (Syndicated) and Non–commercial sources.

Unit-III

- Questionnaire design
- Hypotheses testing; Null and alternative hypothesis, type I and type II error.

Unit-IV

- Large and small sampling tests–Z tests, T tests, and F tests. ANOVA (one–way and two– way), Chi–square test.
- Correlation: Simple, partial and multiple correlation coefficients.

Practical through SPSS:

The students will be trained in the following techniques of data analysis using latest version of SPSS software. At the end of the semester, external examiner will be appointed by the University to conduct the practical by examining the students in the lab and award marks.

Instructions for Practical Examiner: Question paper is to be set on the spot by the Internal Examiner. Two copies of the same should be submitted for the record to COE Office, Kanya Maha Vidyalaya, Jalandhar.

Topics: Z tests, T tests, and F tests. ANOVA (one-way and two-way), Chi-square test, correlation.

Suggested Readings:

1. Sharma, J.K., “Business Statistics”, 2nd edition (2007), Dorling Kindersley (India) Pvt. Ltd.
2. Hooda, R.P, “*Statistics for Business and Economics*”, 2003, Macmillan, New Delhi.
3. Heinz, Kohler, “*Statistics for Business & Economics*”, (2002), South-Western / Thomson Learning.
4. Hien, L.W, “*Quantitative Approach to Managerial Decisions*”, Prentice Hall, New Jersey,
5. Mc Clave, J. T.; Benson, P.G. and Sincich, T., “*Statistics for Business & Economics*”, 11th edition (2011), Pearson.

Masters of Commerce (Semester-II)
Session: 2023-24
Course Title: Research Methodology
Course Code: MCMM–2095

Course Outcomes:

After successful completion of this course, students will be able to

CO1: formulate and define the research problem.

CO2: identify various sources and ways of writing literature review and also provide knowledge of concepts and principles of experimental designs.

CO3: identify, use and interpret the results of comparative and non-comparative scaling techniques.

CO4: understand the data preparation, process, interpretation and application of various data analysis techniques

Masters of Commerce (Semester-II)
Session: 2023-24
Course Title: Research Methodology
Course Code: MCMM-2095

Time: 3 Hours
Hours per week
L-T-P
3-0-2

Max. Marks: 100
Theory Marks: 50
Practical: 30
CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 10 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit-I

- Research methodology: Nature and scope; problem, formulation and statement of research objectives. Research process.
- Choose a Research Topic.

Unit-II

- Review of Literature Goals of a Literature Review, Types of Reviews, Sources of Research Literature.
- Writing of Review.
- Research designs: Exploratory, descriptive and Causal designs (Basic designs—After only, Before After, After along with control group, Before after with control group, Time series designs).

Unit-III

- Measurement: concept, Levels of measurement—Nominal, Ordinal, Interval and Ratio.
- Attitude Measurement: Comparative and Non-comparative scaling techniques, Tabulation and cross-tabulation of data.

Unit-IV

- Data Preparation, Analysis, and Interpretation. Data preparation, Data screening, Transforming data, Data Analysis and Interpretation
- Data analysis techniques: Multiple regression analysis, Logistic regression analysis, Discriminant Analysis, Factor Analysis.

Practicals Through Spss:

The students will be trained in the following techniques of data analysis using latest version of SPSS software. At the end of the semester, external examiner will be appointed by the University to conduct the practical by examining the students in the lab and award marks.

Topics: Data preparation, Data screening, Transforming data, Data Analysis and Interpretation, Multiple regression analysis, Logistic regression analysis, Discriminant analysis and Factor analysis

Instructions for Practical Examiner: Question paper is to be set on the spot by the Internal Examiner.

Two copies of the same should be submitted for the record to COE Office, Kanya Maha Vidyalaya, Jalandhar.

Suggested Readings:

1. Cooper, D. R. and Schindler, P.S., — *Business Research Methods*, 9th Edition, Tata McGraw Hill, New Delhi.
2. Levine, D.M., Krehbiel, T.C. and Berenson, M.L., — *Business Statistics*, 12th Edition (2012), Pearson Education, New Delhi.
3. Kothari, C.R., — *Research Methodology*, 2nd Edition (2008), New Age International.
4. Anderson, D.R.; Sweeney, D.J. and Williams, T.A., — *Statistics for Business and Economics*, 2nd Edition (2011), Thompson, New Delhi.

Bachelor of Business Administration Semester – III
Session 2024-2025
Course Code: BBRL-3173
Course Title: Statistics for Business

Time: 3 Hours

L-T-P (Credits): 4-0-0

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 8 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Matrix Algebra: Types of matrices, basic operations of matrices, determinant of a matrix and its properties, rank and inverse of a matrix, solution of simultaneous linear equations – Cramer’s rule and matrix inversion method. Introduction and methods of presentation of statistical information, Collection and presentation of data. Frequency distributions. Concept of sampling and sampling designs.

UNIT-II

Measures of Central Tendency: Mean, Median, Mode. Measures of dispersion: Range, quartile deviation, Average deviation and Standard deviation.

UNIT-III

Simple Correlation and Regression Analysis: Assumptions, Karl Pearson’s product moment and Spearman’s rank correlation method, least squares technique, properties of correlation and regression coefficients. Time Series Analysis: Meaning and its components-trend, seasonal, cyclical and irregular fluctuations; Measurement of trend analysis using moving average and least square method.

UNIT-IV

Index number, construction of unweighted and weighted index numbers, quantity Index. Elementary Probability Theory: Deterministic and non-deterministic experiments, different types of events, a priori and empirical definition of probability, Conditional probability, laws of addition and multiplication of probability, Properties of Binomial, Poisson and Normal distributions.

Suggested Readings:

1. Gupta, S.C. (2018), *Fundamentals of Statistics*, Himalaya Publishing House, 7th Edition, Delhi.
2. Gupta, S.P. (2014), *Statistical Methods*, Sultan Chand & Sons, 43rd Edition, Delhi.
3. Chiang A.C., *Fundamental Methods of Mathematical Economics*, McGraw Hill, Kogakusha.
4. Croxton, F.E., Cowden, D.J. and Klien, S., *Applied General Statistics*, Prentice Hall of India Pvt. Ltd.

Note: The latest edition of the books is recommended.

FACULTY OF SCIENCES

SYLLABUS OF ECONOMICS

For

**Bachelor of Science (Home Science) (Semester: III & IV)
(Credit Based Continuous Evaluation Grading System)
(12+3 System of Education)**

Session: 2024–25



**The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

**SCHEME AND CURRICULAM OF EXAMINATION OF THREE YEARS DEGREE
PROGRAMME**

Bachelor of Science (Home Science)

**Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session 2024-2025)**

Semester III										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th./D	P	CA	
BHSL-3172	Basic Concepts of Economics	C	3-0-0	3-0-0	3	75	60	–	15	3

C- compulsory

Semester IV										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th./D	P	CA	
BHSL-4172	Consumer Economics	C	3-0-0	3-0-0	3	75	60	–	15	3

C- compulsory

Bachelor of Science (Home Science) Semester-III

Session 2024-2025

Course Title: Basic Concepts of Economics

Course Code: BHSL-3172

Course outcomes:

After passing this course students will be able to:

CO1: To understand the basic concepts of economics and consumer economics.

CO2: To understand basic structure of markets in the economy.

CO3: To understand the need, significance and sources of credit facilities.

CO4: To understand the basic concepts of banking & different saving schemes, Insurance and will learn to file income tax return.

Bachelor of Science (Home Science)
Semester-III
Session 2024-2025
Course Title: Basic Concepts of Economics
Course Code: BHSL-3172

Time: 3 Hours
Hours per week
L-T-P
3-0-0

Max. Marks: 75
Theory Marks: 60
CA: 15

Note: Instructions for the Paper–Setter:

Two questions, each carrying 8 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Basic Economic concept: Goods, wealth, economic and non-economic activities, utility, Value and price, Basic concepts in consumer economics.

Human wants and needs, Difference between desire, want, and need, hierarchy of need, characteristics of needs, classification of wants, forces influencing wants.

UNIT-II

Production & Consumption: definition, features, significance laws and their importance. Basic Knowledge of market: definition, features and types of market, E- marketing.

UNIT-III

Consumer Credit: Definition and significance of credit, Need and basis of credit, Sources of consumer credit, Legal credit instruments, Points to be considered while borrowing, Merits & demerits of credit.

UNIT-IV

Brief Knowledge of banking, insurance schemes, saving & investment.

Banking: Types of account, how to open an account, How to deposit and withdraw money by cheque & cash; Internet banking

Insurance: General and life insurance policies terms and conditions & advantages. Savings-Bank saving scheme, Post Office Saving Schemes, Shares & debentures (only introduction) Taxation: Types of Taxes & how to calculate income tax & file income tax return.

Recommended Books:

- 1) Kaur, S., Lekhi, R.K. and Singh, J., Consumer Economics, Kalyani Publisher.
- 2) Gupta, B.D. (1973), Consumption Pattern in India, Tata Mcgraw Hill.
- 3) Fitzsimmons, C. (1961), Consumer Buying for better living, John Willey & sons Inc.
- 4) Schiffman, L. G. (1990), Consumer Behavior, 4th Edition, Prentice hall Publications.

Note: The latest edition of the books is recommended.

Bachelor of Science (Home Science) Semester-IV

Session 2024-2025

Course Title: Consumer Economics

Course Code: BHSL-4172

Course outcomes:

After studying this course, students will be able:

CO1: to understand the need and process of consumer protection and consumer legislation in India.

CO2: to understand the consumer rights and responsibilities and to aware the students about fraud and business malpractices.

CO3: to make students aware about grading, standardisation and packaging, branding, labeling.

CO4: to understand the concept of advertisement and functions of entrepreneur and salesman.

Bachelor of Science (Home Science) Semester-IV

Session 2024-2025

Course Title: Consumer Economics

Course Code: BHSL-4172

Time: 3 Hours
Hours per week
L-T-P
3-0-0

Max. Marks: 75
Theory Marks: 60
CA: 15

Note: Instructions for the Paper–Setter:

Two questions, each carrying 8 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

UNIT-I

Consumer education and Protection - Need for consumer education, Process for consumer protection.
Consumer legislation in India with special reference to consumer protection Act, 1986 and 2019
Consumerism - scope, utility and measures for strengthening consumer movement.

UNIT-II

Consumer rights and guidance for wise purchase - Consumer rights & responsibilities.
Fraud and business malpractices.

UNIT-III

Grading, standardization and packaging, Definition and advantages, difference between grading and standardization.
Labelling - types and Labelling as guide to buying.
Branding and its advantages. Packaging-its functions, advantages and problems with packaging.

UNIT-IV

Advertisement: Objectives, Reasons, advantages and mode of advertising.
Entrepreneur and salesmanship: Meaning, Function & Qualities of an entrepreneur, Meaning, advantage and Qualities of an efficient salesman.

Recommended Books:

- 1) Kaur, S., Lekhi, R.K. and Singh, J., Consumer Economics, Kalyani Publishers.
- 2) Gupta, B.D. (1973), Consumption Pattern in India, Tata Mcgraw Hill.
- 3) Fitzsimmons, C. (1961), Consumer Buying for better living, John Willey & Sons Inc.
- 4) Schiffman, L. G. (1990), Consumer Behavior, 4th Edition, Prentice Hall Publications.

Note: The latest edition of the books is recommended.

FACULTY OF VOCATIONAL STUDIES

SYLLABUS

of

Economics

for

Bachelor of Vocation (Management and Secretarial Practices)

Semester: IV, V & VI

(Under Credit Based Continuous Evaluation Grading System)

Session: 2024-25



The Heritage Institution
KANYA MAHA VIDYALAYAJALANDHAR
(Autonomous)

KANYA MAHA VIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF THREE YEARS DEGREE
PROGRAMME

Programme: Bachelor of Vocation (Management& Secretarial Practices)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-2025)

Semester-IV									
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits	Marks				Examination time (in Hours)
					Total	Th	P	CA	
BVML-4324	Statistical Analysis	S	4-0-0	4	50	40	-	10	3

S-Skills

KANYA MAHA VIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF THREE YEARS DEGREE
PROGRAMME

Programme: Bachelor of Vocation (Management& Secretarial Practices)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-2025)

Semester-V									
Course Code	Course Title	Course Type	Hours Per Week L-T-P	Credits	Marks				Examination time (in Hours)
					Total	Th	P	CA	
BVML-5322	Fundamentals of Banking	C	4-0-0	4	50	40	-	10	3

C- Compulsory Course

KANYA MAHA VIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATION OF THREE YEARS DEGREE
PROGRAMME

Programme: Bachelor of Vocation (Management & Secretarial Practices)

Credit Based Continuous Evaluation Grading System (CBCEGS)

(Session 2024-2025)

Semester-VI									
Course Code	Course Title	Course Type	Hours Per Week	Credits	Marks				Examination time (in Hours)
			L-T-P		Total	Th	P	CA	
BVML-6323	Indian Financial System	C	4-0-0	4	50	40	-	10	3

C- Compulsory Course

Bachelor of Vocation
(Management & Secretarial Practices) (Semester-IV)
Session 2024-25
Course Code: BVML-4324
Course Title: STATISTICAL ANALYSIS

Course Outcomes:

After studying this course, students will be able to:

CO1: acquire understanding of statistics and its scope in business.

CO2: demonstrate knowledge of various methods of dispersion and correlation.

CO3: apply the knowledge of index numbers.

CO4: estimate trend by applying the methods of time series analysis.

Bachelor of Vocation
(Management & Secretarial Practices) (Semester-IV)
Session 2024-25
Course Code: BVML-4324
Course Title: STATISTICAL ANALYSIS

L	T	P	Total Credits
4	0	0	4

Examination Time: 3 Hours

Max. Marks: 50

Theory: 40

CA: 10

Note: Instructions for the Paper–Setter:

Two questions, each carrying 8 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit I
Statistics: Definition, Functions, Scope and Limitations of Statistics. Measures of Central Tendency: Mean, Median and Mode.
Unit II
Measures of Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation and Coefficient of Variation. Kurtosis, Skewness Simple Correlation and Regression: Meaning, Types, Karl Pearson's & Rank Correlation (excluding grouped data), Probable error.
Unit III
Index Numbers: Meaning and Importance, Methods of construction of Index Numbers: Weighted and Unweighted; Simple Aggregative Method, Simple Average of Price Relative Method, Weighted Index Method: Laspeyres Method, Pasches Method and Fishers Ideal Method including Time and Factor Reversal Tests, Consumer Price Index.
Unit IV
Time Series Analysis: Components, Estimation of Trends (Graphical Method, SemiAverage Method, Moving Averages Method and Method of Least Squares for Linear Path).

REFERENCES:

1. Levin, Richard and David S. Rubin. "Statistics for Management", 7th Edition, Prentice Hall of India, New Delhi.
2. Chandan, J.S., "Statistics for Business and Economics", 1st Edition, (1998), Vikas Publishing House Pvt. Ltd.

3. Render, B. and Stair, R. M. Jr., “Quantitative Analysis for Management”, 7th Edition, Prentice–Hall of India, New Delhi.
4. Gupta, C. B, Gupta V, “An Introduction to Statistical Methods”, 23rd Edition (1995), Vikas Publications.
5. Siegel, Andrew F, Practical Business Statistics. International Edition, 5th Edition (2001), McGraw Hill Irwin

Bachelor of Vocation
(Management & Secretarial Practices) (Semester-V)
Session 2024-25
Course Code: BVML-5322
Course Title: FUNDAMENTALS OF BANKING

Course Outcomes:

After studying this course, students will be able to:

CO1: Understand the importance and types of commercial banks.

CO2: Understand the main functions of central bank (RBI) and Negotiable Instruments Act, 1881

CO3: Gain knowledge of internet banking and modes of using e-banking services

CO4: Understand various systems of banking, rules and regulations regarding non-performing assets and KYC norms

Bachelor of Vocation
(Management & Secretarial Practices) (Semester-V)
Session 2024-25
Course Code: BVML-5322
Course Title: FUNDAMENTALS OF BANKING

L	T	P	Total Credits
4	0	0	4

Examination Time: 3 Hours

Max. Marks: 50

Theory: 40

CA: 10

Note: Instructions for the Paper–Setter:

Two questions, each carrying 8 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit I
Commercial Banks —Introduction, evolution, nature, functions, importance and services provided by Commercial Banks. Types of Banks -Commercial Bank, Regional Rural Banks, Foreign Banks, Cooperative Banks, Public bank and Private bank.
Unit II
Central Bank —Meaning and Functions, Techniques of Credit Control, mechanism of Credit Creation. Practical Aspect of Banking - Negotiable Instruments— Cheques, Bills of Exchange and Promissory Notes, endorsements, difference between Cheques and Bills of Exchange.
Unit III
E-Banking - Electronic Transfer of Funds (NEFT, RTGS) Internet Banking -Mobile Banking, Wholesale and Retail banking, Universal and Narrow Banking, Off Shore Banking Clearing House System
Unit IV
Systems of Banking - Group and Chain Banking, Unit and Branch Banking, Investment Bank Prudential Norms for Asset Classification(NPAs) - Income recognition and provisioning, KYC Norms

REFERENCES:

1. Sundharam, Varshney, “Banking Theory, Law & Practice”, Sultan Chand & Co.
2. Shekhar, K.C; Shekhar, Lekshmy, “Banking Theory and Practice”, Vikas Publishing House
3. Sethi, Jyotsana; Bhatia, Nishwan, “Elements of Banking and Insurance”, PHI Learning Private Limited, New Delhi
4. www.rbi.org

Bachelor of Vocation
(Management & Secretarial Practices) (Semester-VI)
Session 2024-25
Course Code: BVML-6323
Course Title: INDIAN FINANCIAL SYSTEM

Course Outcomes:

After successful completion of this course, students will be able to:

- CO1:** Understand the Indian Financial System, financial markets and their functioning.
- CO2:** Understand features, working, instruments and types of capital market in India.
- CO3:** Understand features, working and instruments money market in India
- CO4:** Understand the nature, types and functions of financial services and knowledge of merchant banking, working of mutual funds and credit rating agencies.

Bachelor of Vocation
(Management & Secretarial Practices) (Semester-VI)

Session 2024-25

Course Code: BVML-6323

Course Title: INDIAN FINANCIAL SYSTEM

L	T	P	Total Credits
4	0	0	4

Examination Time: 3 Hour

Max. Marks: 50

Theory: 40

CA: 10

Note: Instructions for the Paper–Setter:

Two questions, each carrying 8 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit I
Introduction to Indian Financial System: Meaning, Significance, Purpose and Organization, Liberalization of Financial system Financial Markets: Introduction, classification.
Unit II
Capital Market: Meaning and features of Capital Market New Issue Market: Functions, Methods of floating new issues, Operations in New Issue Market, Problems. Secondary Market: NSE, OTCEI, Stock Exchange: Definition, Functions, Management and Organisation
Unit III
Money Market: Meaning and Structure, Functions of Money Market in India, Growth of Indian Money Market, Capital Market Vs. Money Market, Money Market Participants, Defects of Indian Money Market, Requisites of a Developed Money Market, the Indigenous Bankers and Money Lenders Call Money Market: Meaning, Features, Benefits, Indian Call Money Market– A Profile, Participants.
Unit IV
Introduction to Financial Services: Meaning, Nature, Types, Importance of Financial Services. The changing environment of financial services. Overview of Merchant Banking, Mutual Funds and Credit Rating Agencies.

REFERENCES:

1. Capital Market Management, V.A Avadhani - Himalaya publishing House.
2. Financial Institutions and Market, LM Bhole - Tata McGraw Hill.
3. Indian Financial System, Dr. S Guruswamy, Tata McGraw Hill.
4. L M Bhole, and Jitendra Mahakud, "Financial Institution and Markets", McGraw-Hill Education
5. Primary Market & IPO, ICAFI Publication.
6. Khan, M.Y., "Financial Services" , Tata McGraw Hill, New Delhi

FACULTY OF VOCATIONAL STUDIES

**SYLLABUS
OF
ECONOMICS
For**

Bachelor of Vocation (Retail Management) (Semester: II)

(Under Credit Based Continuous Evaluation Grading System)

Session: 2024-2025



**Kanya Maha Vidyalaya, Jalandhar
(Autonomous)
The Heritage Institution**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULAM OF EXAMINATION OF THREE YEARS DEGREE
PROGRAMME

BACHELOR OF VOCATION (RETAIL MANAGEMENT) (SEMESTER -II)
Credit Based Continuous Evaluation Grading System (CBCEGS)
(Session 2024-2025)

Course Code	Course Title	Course Type	Hours per week L-T-P	Credits L-T-P	Marks				Examination Time (In Hours)
					Total	Ext.		CA	
						L	P		
BVRL-2325	Managerial Economics	C	2-0-0	2-0-0	50	40	-	10	3

BACHELOR OF VOCATION (RETAIL MANAGEMENT)
(SEMESTER -II)
SESSION 2024-2025
Course Title: Managerial Economics
Course Code: BVRL-2325
JOB ROLE: RETAIL TEAM LEADER- RAS/Q0105 (NSQF LEVEL-5)

After successful completion of this course, students will be able to:

- CO1: Understand the basic concepts of managerial economics and apply economic principles to management decisions.
- CO2: have an in-depth understanding of the preliminary concepts about consumer behavior.
- CO3: learn about the various cost curves and the production function.
- CO4: learn about various market structures and the role of government in the economy.

Time: 3 Hours
Hours per week
L-T-P
2-0-0

Max. Marks: 50
Theory Marks: 40
CA: 10

Note: Instructions for the Paper–Setter:

Two questions, each carrying 8 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit-I

Introduction to Managerial Economics: Introduction, Concept, Scope, Significance of Managerial Economics.

Distinction Between Economics and Managerial Economics, Role of Managerial Economics & Major Economic Problems & Tools of Managerial Economics, Functions of Managerial Economist.

Unit-II

Demand and Supply: Introduction, Concept of Demand, Law of Demand, Change in Demand & Quantity Demanded, Concept of Supply, Law of Supply, Demand & Supply Equilibrium.

Elasticity of Demand and Supply: Price Elasticity of Demand, Measurement, Factors Influencing Price Elasticity of Demand. Income Elasticity of Demand, Cross Elasticity of Demand. Elasticity of Supply, Factors Determining Elasticity of Supply.

Unit-III

Production & Cost function: Production Function, Short run Production, Long run Production, Producer's Equilibrium, Types of Production Function. Concept of Cost, Type of Cost in Long run and Short run.

Unit-IV

Market Dynamic: Elements of Competition, Perfect Competition, Monopoly & Price Discrimination, Imperfect Competition & Duopoly.

Role of Government in an Economy: Introduction, Requirement of Government Intervention in an Economy, role of Govt. in Different Economic Systems and Policies.

Suggested Readings:

1. Mehta, P.L. (2013), *Managerial Economics*, S. Chand & Sons Company Ltd., New Delhi.
2. Ahuja, H.L. (2018), *Advanced Economic Analysis*, S. Chand & Co. Ltd, New Delhi.

Note: The latest edition of the books is recommended.

FACULTY OF VOCATIONAL STUDIES

**SYLLABUS
OF
ECONOMICS
For**

**Master of Vocation (Retail Management)
(Semester I)**

(Under Credit Based Continuous Evaluation Grading System)

Session: 2024-2025



**Kanya Maha Vidyalaya, Jalandhar
(Autonomous)
The Heritage Institution**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

**SCHEME AND CURRICULAM OF EXAMINATION OF
MASTER OF VOCATION (RETAIL MANAGEMENT)
(SEMESTER -I)**

Session: 2024-2025

Course Code	Course Title	Course Type	Hours per week L-T-P	Credits L-T-P	Total Credits	Marks				Examination Time (In Hours)
						Total	Ext.		CA	
							L	P		
MVRL-1324	Economics of Retail	C	4-0-0	4-0-0	4	100	80	-	20	3

MASTER OF VOCATION (RETAIL MANAGEMENT) (SEMESTER -I)

Session: 2024-2025

Course Code: MVRL-1324

Course Title: Economics of Retail

After successful completion of this course, students will be able to:

CO1: Appreciate the role of markets and institutions in facilitating development of retail industry.

CO2: have an in-depth understanding of the preliminary concepts about consumer behavior and the consumption function.

CO3: learn about various market structures.

CO4: learn the various profit policies, government policies in the economy.

MASTER OF VOCATION (RETAIL MANAGEMENT) (SEMESTER -I)

Session: 2024-2025

Course Code: MVRL-1324

Course Title: Economics of Retail

Examination Time: 3 Hours

4 Hours per Week

L-T-P

4-0-0

Max. Marks: 100

Theory Marks: 80

CA: 20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit-I

Retail Economics: Benefits to the Economy, Retailing Environment: The Legal environment, The Economic environment, The Technological environment, The Global environment. The Competitive Environment. Types of Competition: Analyzing Competition. Retail economics in India, Contribution of retail industry in today's economy. Contribution of FDI in Retailing

Unit-II

Theory of Demand: Meaning of demand and its types, law of demand, price elasticity of demand and its measurement. Concept of supply, law of supply, demand & supply equilibrium.

Consumer Behaviour: Utility approach: Brief outline of law of diminishing marginal utility and law of Equi-marginal utility.

Consumption: Meaning, determinants (subjective and objective) and importance, Keynes Psychological Law of Consumption.

Unit-III

Perfect Competition: Meaning, features, price and output determination of firm and industry under perfect competition.

Monopoly: Meaning, features, price and output determination under monopoly.

Monopolistic Competition: Meaning, features, price and output determination under monopolistic competition.

Unit-IV

Pricing and Output Decisions: Methods of pricing, differential pricing, Government intervention and pricing. Profit: Meaning and nature, Profit policies, Profit planning and forecasting, Cost-Volume - Profit analysis, Investment analysis.

Suggested Readings:

1. Mehta, P.L. (2013) *Managerial Economics*, S. Chand & Sons Company, New Delhi.
2. Ahuja, H.L. (2018) *Advanced Economic Analysis*, S. Chand & Co. Ltd, New Delhi.

Note: The latest edition of the books is recommended.

FACULTY OF ECONOMICS AND BUSINESS

Syllabus of Economics

for

Bachelor of Business Administration – Airlines and Airport Management

(Semester II)

Credit Based Continuous Evaluation Grading System

Session 2024-25



**The Heritage Institution
KANYA MAHA VIDYALAYA JALANDHAR
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE-YEAR DEGREE
PROGRAMME

Bachelor of Business Administration (Airlines and Airport Management)

(Session 2024-2025)

Credit Based Continuous Evaluation Grading System

Semester II									
Course Code	Course Type	Course Titles	Hours Per Week L-T-P	Credits	Max Marks				Examination time (in Hours)
					Total	Ext.		CA	
						L	P		
BBML-2666	S	Aviation Economics	4-0-0	4	100	80	-	20	3

S- Skill Enhancement

**Bachelor of Business Administration – Airlines and Airport
Management Semester-II (Session 2023-2024)
Subject: Aviation Economics
Course Code: BBML-2666**

Course Outcomes (CO): Upon successful completion of the course, the students should be able to:

CO1: Outline the interplay of economic concepts with rationality.

CO2: Evaluate the economic phenomenon in context with the aviation industry.

CO3: Analyse production and supply decisions in the context of dynamic consumer choice.

CO4: Anticipate and discuss price determinations and factors.

**Bachelor of Business Administration – Airlines and Airport
Management Semester-II (Session 2024-2025)
Subject: Aviation Economics
Course Code: BBML-2666**

Time: 3 Hours
Marks: 100
L-T-P: 4-0-0
Marks: 80

Maximum

Theory

CA:

20

Note: Instructions for the Paper–Setter:

Two questions, each carrying 16 marks, from each of the Units I-IV (i.e. a total of eight questions) are to be set. Candidates are required to attempt five questions, selecting at least one from each unit. The fifth question may be attempted from any unit.

Unit-I

Introduction to Economics and its Concepts: Nature, scope, and characteristics of economics; Managerial Economics and Business economics; Application of economics; wealth-oriented view; welfare-oriented view; scarcity view; development view; Introduction to international economics and aviation, the economics of aviation safety, and security

Unit-II

Demand Analysis in the Aviation Industry: Meaning and Concept of Demand for Aviation, Law of Demand, Determinants of Demand, Measurement of Demand, Elasticity of Demand, Demand Forecasting, and Its Methods

Unit-III

Supply and Production Analysis in the Aviation Industry: Law of Supply, Determinant of Supply, Elasticity of Supply, Methods of measuring the elasticity of supply, Return to scale, law of returns, and production function Production analysis, Stage of production

Unit-IV

Prices determination and factors: Meaning and main features of price determination of a firm, Different theories of pricing Factors and methods of pricing and price determination under perfect, imperfect, monopoly, and oligopoly situations, AIRAC.

Text Books:

1. MANAGERIAL ECONOMICS by MAHESWARI Y, PRENTICE HALL

References:

2. THE ECONOMICS OF RECREATION ,LEISURE AND TOURISM by TRIBE, JOHN, Tata McGraw Hill, India

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

Skill Enhancement Course

in

Bachelor of Arts / Bachelor of Science (Honours) Four Year Degree Program

Semester II

(Under Credit Based Continuous Evaluation Grading System)

Session: 2024–25



**The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar

Economics

Skill Enhancement Course

Bachelor of Arts / Bachelor of Science (Honours) Four Year Degree Program

Semester II

Course Name: Data Analysis using EXCEL

Course Code: BECM-2170

Time:1+1 hour

Credit 1-0-2

Marks: 75

Theory:25

Practical: 50

Unit-I

Types of data analysis with EXCEL, Creation of Spread sheets – Insertion of rows and columns, drag and fill cells

Unit-II

Working with Data- Importing, cleaning , sorting and filtering of data.

Quick analysis with data tables, charts and graphs

Unit-III

Analysis with simple statistical functions- Average , geometric mean, median, standard deviation , range, correlation and regression

Unit-IV

Creating Reports using tables, charts and statistical functions.

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

CERTIFICATE COURSE

in

**DATA ANALYSIS USING STATISTICAL
SOFTWARE**

(Under Credit Based Continuous Evaluation Grading System)

Session: 2024–25



**The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

**SCHEME AND CURRICULAM OF EXAMINATION OF
CERTIFICATE COURSE**

Session: 2024-2025

Course Code: CDAM-1171

Certificate Course in Data Analysis using Statistical Software

Course Code	Course Title	Course Type	Marks			Examination time (in Hours)
			Ext.			
			Total	Th	P	
CDAM-1171	Data Analysis using Statistical Software	C	100	30	70	2

Duration: 30 Contact Hours

Credits: 02

Marks: (Theory: 30, Practical: 70)

Eligibility: Candidate must have passed 10+2 or equivalent examination.

Mode of Delivery: Class Room Teaching and Practical training in SPSS software.

CERTIFICATE COURSE IN DATA ANALYSIS USING STATISTICAL SOFTWARE

Session: 2024-2025

Course Code: CDAM-1171

Course outcomes:

After the Completion of course, the students will be able

CO1: To manage and analyze the data using SPSS software.

CO2: To choose appropriate statistical techniques and interpret the results.

CERTIFICATE COURSE IN DATA ANALYSIS USING STATISTICAL SOFTWARE

Session: 2024-2025

Course Code: CDAM-1171

Duration: 30 Contact Hours

Theory: 20

Practical: 80

COURSE CONTENTS:

Types of variables: Categorical Variables and Continuous Variables.

Types of Scale of Measurement: Choosing appropriate scale of measurement.

Introduction to main features of Statistical Software

Data Management in SPSS-Creating data files and entering data, Import file.

Preliminary analysis- Descriptive Statistics and Diagrammatic representation using Statistical Software

Correlation and Regression analysis using Statistical Software