

(ANNEXURE -B)

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

Bachelor of Arts

Economics (Semester: II, IV,VI)

(Under Continuous Evaluation System)

(12+3 System of Education)

Session: 2020–21



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

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE
PROGRAM
Bachelor of Arts
Session 2020-21

Economics

Economics Semester II								
Course Name	Program Name	Course Code	Course Type	Marks				Examination time (in Hours)
				Total	Ext.		CA	
					L	P		
Macro Economics	Bachelor of Arts	BARL-2175	E	100	80	--	20	3

E-Elective

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAM
Bachelor of Arts
Session 2020-21

Economics

Economics Semester IV								
Course Name	Program Name	Course Code	Course Type	Marks				Examination time (in Hours)
				Total	Ext.		CA	
					L	P		
International Economics And Public Finance	Bachelor of Arts	BARL-4175	E	100	80	--	20	3

E-Elective

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAM
Bachelor of Arts
Session 2020-21

Economics

Economics Semester VI								
Course Name	Program Name	Course Code	Course Type	Marks				Examination time (in Hours)
				Total	Ext.		CA	
					L	P		
QUANTITATIVE METHODS FOR ECONOMISTS	Bachelor of Arts	BARL-6175	E	100	80	--	20	3

Bachelor of Arts (Semester –II)

Course Code: BARL-2175

MACRO ECONOMICS

Course Outcomes:

After passing this course students will be able to:

CO1: understand the consumption and investment behaviour of an economy and factor affecting consumption and investment decisions.

CO2: demonstrate an understanding of nature and functions of money and the role of financial markets in the economy.

CO3: discuss the instruments of money and capital market in India

CO4: understand the problem of inflation, its causes, effects and solutions in an economy.

Bachelor of Arts(Semester –II)
Session 2020-21
Course Code: BARL-2175
MACRO ECONOMICS

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

Distinction between Micro and Macro Economics; Determination of Income and Employment: Classical and Keynesian models; Say's Law of Market and aggregate demand and aggregate supply. 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 decision. 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.

Recommended Texts:

1. Shapiro E., *Macroeconomic Analysis*, Harcourt, Brach and World, New York.
2. Dwivedi D.N., *Macroeconomics: Theory and Policy*, Tata McGraw-Hill.

Bachelor of Arts (Semester –IV)
Session 2020-21
Course Code: BARL-4175
INTERNATIONAL ECONOMICS AND PUBLIC FINANCE

Course Outcomes:

After studying this course, students will:

- CO1:** be able to understand the concept, structure, disequilibrium causes and measures through which disequilibrium can be corrected.
- CO2:** be able to understand how the exchange rate is determined.
- CO3:** be able to understand the basis for and gains from trade.
- CO4:** be able to understand the basic aspects of public finances.

Bachelor of Arts (Semester –IV)
Session 2020-21
Course Code: BARL-4175
INTERNATIONAL ECONOMICS AND PUBLIC FINANCE

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

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, rationale of a protectionist policy in 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, effect of public expenditure on production and distribution.

UNIT–IV

Taxes: Meaning, classification, features of a good taxation system, canons of taxation, incidence and impact of taxation. Public Debt: Meaning, objectives, importance, its burden.

Recommended Texts

1. Sodersten B.O., *International Economics*, Macmillan, London.
2. Salvatore B., *International Economics*, Macmillan Publishing Company, New York.

Bachelor of Arts (Semester –VI)

Session 2020-21

Course Code: BARL-6175

QUANTITATIVE METHODS FOR ECONOMISTS

Course Outcomes:

After passing this course students will be able to:

CO1: Learn basic tools of mathematics and statistics .

CO2: Develop analytical and interpreting skills.

CO3: Understand the appropriate methods for forecasting and estimation .

Bachelor of Arts (Semester –VI)
Session 2020-21
Course Code: BARL-6175
QUANTITATIVE METHODS FOR ECONOMISTS

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

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.

Recommended Texts

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. , *Mathematics for Students of Economics*, New Academic Publishing Co., Jalandhar

(ANNEXURE -C)

FACULTY OF ECONOMICS AND BUSINESS

SYLLABUS of Bachelor of Science (Economics) (Semester II,IV,VI) (Under Continuous Evaluation System)

Session: 2020-21



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

Program Specific Outcome – Bachelor of Science (Economics)

B.Sc. (Economics) is a three year graduation degree program. The program aims at creation and dissemination of knowledge regarding core economic principles and issues; focusing on the link between theory and real world.

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

- PSO1:** understand the basic concepts and principles of economics.
- PSO2:** have in depth knowledge of concepts and basic theories of consumer behaviour, cost and market structure, and production behaviour.
- PSO3:** have in depth knowledge of concepts and basic macroeconomics theories such as employment, consumption, investment and international trade, money, banking, development and public finance.
- PSO4:** understand basic techniques of presentation and analysis of data; and some advanced applications and theory of theoretical and sampling distribution and econometric estimation methodologies.
- PSO5:** understand Indian experience with planning and various problems faced by Indian economy and latest developments in Indian economy.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE PROGRAM
Bachelor of Science (Economics)
Session: 2020-21

Bachelor of Science (Economics) Semester II							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BECL-2421 BECL-2031 BECL-2431	Punjabi(Compulsory) ¹ Basic Punjabi ² Punjab History & Culture	C	50	40	-	10	3
BECL-2212	English (Compulsory)	C	50	40	-	10	3
BECM-2333 BECL-2453	Maths/ Quantitative Techniques	E	100 100	80 (40+40) 80	- -	20 20	3+3 3
BECM-2134 BECM-2124	Computer Science Computer Applications	E	100	50 30		20	3+3
BECL-2175	Economics(Macro Economics)	C	100	80	-	20	3
AECD-2161	*Drug Abuse: Problem Management and Prevention (Compulsory)	AC	50	40	-	10	3
SECM-2502	*Moral Education Programme	AC	25	25	-	-	2
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.

*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 EXAMINATIONS OF THREE YEAR DEGREE PROGRAM
Bachelor of Science (Economics)
Session: 2020-21

Bachelor of Science (Economics) Semester IV							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BECL-4421 BECL-4031 BECL-4431	Punjabi(Compulsory) ¹ Basic Punjabi ² Punjab History & Culture	C	50	40	-	10	3
BECL-4212	English (Compulsory)	C	50	40	-	10	3
BECM-4333 BECL-4453	Maths/ Quantitative Techniques	E	100 100	80 (40+40) 80	- -	20 20	3+3 3
BECM-4134 BECM-4124	Computer Science Computer Applications	E	100	50	30	20	3+3
BECL-4175	Economics (International Economics and Public Finance)	C	100	80	-	20	3
AECE-4221	*Environmental Studies (compulsory)	AC	100	60	20	20	3
SECS-4522	*Social Outreach	AC					
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.

*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 EXAMINATIONS OF THREE YEAR DEGREE PROGRAM
Bachelor of Science (Economics)
Session: 2020-21

Bachelor of Science (Economics) Semester VI							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BECL-6421 BECL-6031 BECL-6431	Punjabi(Compulsory) ¹ Basic Punjabi ² Punjab History & Culture	C	50	40	-	10	3
BECL-6212	English (Compulsory)	C	50	40	-	10	3
BECM-6333 BECL-6453	Maths/ Quantitative Techniques	E	100 100	80 (40+40) 80	- -	20 20	3+3 3
BECM-6134 BECM-6124	Computer Science Computer Applications	E	100	50	30	20	3+3
BECL-6175	Economics (QUANTITATIVE METHODS FOR ECONOMISTS)	C	100	80	-	20	3
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.

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

Bachelor of Science (Economics) (Semester –II)

Course Code: BECL-2175

MACRO ECONOMICS

Course Outcomes:

After passing this course students will be able to:

CO1: understand the consumption and investment behavior of an economy and factor affecting consumption and investment decisions.

CO2: demonstrate an understanding of nature and functions of money and the role of financial markets in the economy.

CO3: To discuss the instruments of money and capital market in India

CO4: understand the problem of inflation, its causes, effects and solutions in an economy.

Bachelor of Science (Economics) (Semester –II)

Session 2020-21

Course Code: BECL-2175

MACRO ECONOMICS

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

Distinction between Micro and Macro Economics; Determination of Income and Employment: Classical and Keynesian models; Say's Law of Market and aggregate demand and aggregate supply. 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 decision. 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.

Recommended Texts:

1. Shapiro E., *Macroeconomic Analysis*, Harcourt, Brach and World, New York.
2. Dwivedi D.N., *Macroeconomics: Theory and Policy*, Tata McGraw-Hill.

Bachelor of Science(Economics) (Semester –II)

Session: 2020-2021

Course Code: BECL-2453

QUANTITATIVE TECHNIQUES–II

Course Outcomes:

After passing this course, students will be able to:

CO1: understand the basic concepts and techniques for analyzing data.

CO2: develop statistical approach and thinking among students to problem solving on a diverse variety of disciplines.

CO3: understand the concept of time series in analyzing economics problems.

Bachelor of Science (Economics) (Semester –II)
Session 2020-21
Course Code: BECL-2453
QUANTITATIVE TECHNIQUES–II

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

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

Introduction to SPSS-Defining variables and Entering data.

UNIT–II

Concepts and Measures of Central Tendency: Mean, 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, Paasche 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).

Books Recommended:

1. Gupta.S.P. (2014) ; Statistical Methods, Sultan Chand & Sons, New Delhi.
2. DN Elhance (2018)
3. Croxton, F.E. Cowden D.J. and Klein, S. (1973); Applied General Statistics, 3rd. Ed., Prentice Hall of India, New Delhi.
4. Nagar, A.L. and Das, R.K. (1976); Basic Statistics, Oxford University Press, Bombay.
5. Aggarwal, C.S and R.C Joshi.

Bachelor of Science(Economics) (Semester –IV)

Session 2020-21

Course Code: BECL-4175

INTERNATIONAL ECONOMICS AND PUBLIC FINANCE

Course Outcomes:

After passing this course students will be able to:

CO1: be able to understand the concept, structure, disequilibrium causes and measures through which disequilibrium can be corrected.

CO2: be able to understand how the exchange rate is determined.

CO3: be able to understand the basis for and gains from trade.

CO4: be able to understand the basic aspects of public finances.

Bachelor of Science (Economics) (Semester –IV)

Session 2020-21

Course Code: BECL-4175

INTERNATIONAL ECONOMICS AND PUBLIC FINANCE

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

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, rationale of a protectionist policy in 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, effect of public expenditure on production and distribution.

UNIT–IV

Taxes: Meaning, classification, features of a good taxation system, canons of taxation, incidence and impact of taxation. Public Debt: Meaning, objectives, importance, its burden.

Recommended Texts:

1. Sodersten B.O., *International Economics*, Macmillan, London.
2. Salvatore B., *International Economics*, Macmillan Publishing Company, New York.

Bachelor of Science (Economics) (Semester –IV)

Session: 2020-2021

Course Code: BECL-4453

QUANTITATIVE TECHNIQUES–IV

Course Outcomes:

After passing this course students will be able to:

CO1: understand the axiomatic formulation of modern probability theory and think of random variables as intrinsic need for analysis of random phenomena.

CO2: recognize the connection between theory and applications by appropriately fitting, assessing and interpreting the results/ outcomes

CO3: understand the basic principles underlying survey design and estimation.

Bachelor of Science (Economics) (Semester –IV)

Session 2020-21

Course Code: BECL-4453

QUANTITATIVE TECHNIQUES–IV

Time: 3 Hours

Max. Marks: 100

Theory: 80

Internal Assessment: 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

Multiple Linear Regression: Concepts, Estimation and Applications (without derivations) of: 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), Stratified Random Sampling (applications only).

Books Recommended:

1. Gupta S.C., Fundamentals of Statistic, Himalaya Publishing House, 7th Edition, Delhi
2. Gupta S.P., Statistical Methods, Sultan Chand & Sons, 43rd Edition, Delhi
3. Spiegel, Andrew F, Practical Business Statistics, International Edition, 5th Edition, McGraw Hill Irwin.

Bachelor of Science (Economics) (Semester –VI)

Session 2020-21

Course Code: BECL-6175

QUANTITATIVE METHODS FOR ECONOMISTS

Course Outcomes:

After passing this course students will be able to:

CO1: Learn basic tools of mathematics and statistics .

CO2: Develop analytical and interpreting skills.

CO3: Understand the appropriate methods for forecasting and estimation .

Bachelor of Science (Economics) (Semester –VI)

Session 2020-21

Course Code: BECL-6175

QUANTITATIVE METHODS FOR ECONOMISTS

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

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.

Recommended Texts

- 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* , KitabMahal ,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. ,*Mathematics for Students of Economics*, New Academic Publishing Co., Jalandhar

Bachelor of Science (Economics)(Semester–VI)

Session 2020-21

Course Code: BECL-6453

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 model and problems associated with it.

CO3: understand basics of estimation of models with lags

Bachelor of Science (Economics) (Semester–VI)

Session 2020-21

Course Code: BECL-6453

Quantitative Techniques-VI

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

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), Estimation of regression using SPSS and Interpretation of Output .

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.

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.

(ANNEXURE -D)

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS

For

Master of Arts (Economics)

Semester II& IV

(Under Continuous Evaluation System)

Session: 2020-21



**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)
SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO YEAR DEGREE PROGRAM
MASTER OF ARTS (ECONOMICS)

Master of Arts (Economics) - Sem II							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
MECL-2171	Micro Economics-II	C	100	80	-	20	3
MECL-2172	Macro Economics-II	C	100	80	-	20	3
MECL-2453	Quantitative Methods for Economists-II	C	100	80	-	20	3
Optional Subjects							
MECL-2174 (OPT-__)	Option to be selected from Table below	E	100	80	-	20	3
MECL-2175 (OPT-__) / MECM-2125 (OPT- XI)	Option to be selected from Table below	E	100 100	80 50	- 30	20 20	3/ 3+3
	Total		500				

Any two of the following options:

Sr. No.	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

Note: (i) C- Compulsory Subject E –Elective

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO YEAR DEGREE PROGRAM
MASTER OF ARTS (ECONOMICS)

Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
MECL-4171	Economics of Planning	C	100	80	-	20	3
MECL -4172	International Economics-II	C	100	80	-	20	3
MECL - 4173	Punjab Economy	C	100	80	-	20	3
Optional Subjects							
MECL -4174	Option to be selected from Table below	E	100	80	-	20	3
ECL -4175 (OPT-__) / MECM-4125 (OPT- 11)	Option to be selected from Table below	E	100 100	80 50	- 30	20 20	3/ 3+3
	Total		500				

Any two of the following options:

Sr. No.	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

Note: (i) Any two of the options not already opted for in Semester I and Semester II.
(ii) C- Compulsory Subject E –Elective

Master of Arts (Economics)
Semester – II
Course Code: MECL-2171
Microeconomics-II

Course Outcomes:

After passing this course students will be able to:

- CO1:** acknowledge the production decisions of a producer in the context of inputs and different market structures.
- CO2:** realize the concept and importance of game theory and competitive strategies in understanding the behaviour of oligopolies.
- CO3 :** understand the concept of welfare economics and measurement of social welfare.
- CO4:** know the contrast between public and private goods.
- CO5:** get aware of the concept of free riders.
- CO5:** recognize why the market fails to efficiently allocate resources in presence of externalities, monopoly and imperfect information.

Master of Arts (Economics) Semester – II
Session 2020-21
Course Code: MECL-2171
Microeconomics-II

Max. Marks: 100
Theory: 80
CA: 20

Time: 3 hours

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

General Equilibrium conditions of Firm and Industry, Perfect Competition: Features, Short run and long run equilibrium of the firm and industry, price and output determination, supply curve. Monopoly – short run and long run equilibrium, price discrimination, inter-temporal price discrimination and peak-load pricing, monopoly control and regulation; Monopolistic competition – General and Chamberlin approaches to equilibrium, equilibrium of the firm and group with product differentiation and selling costs, excess capacity under monopolist competition, criticism of monopolistic competition.

Unit II

Oligopoly – Non-collusive (Cournot, Bertrand, Edgeworth, Chamberlin, Kinked demand curve and Stackelberg's solution) and collusive (Cartels and Mergers, price leadership and basing point price system) models; Price and output determination under monopsony and bilateral monopoly.

Unit III

Baumol's sales revenue maximization model; Williamson's model of managerial discretion; Marris model of managerial enterprise; Full cost pricing rule, limit pricing theory. Game theory and competitive strategy : dominant strategies and nash equilibrium.

Neo-classical approach – Marginal productivity theory; Modern Theory of distribution.

Unit IV

Pigovian welfare economics; Measurement of social welfare, Pareto optimal conditions; Perfect competition and pareto optimality; Compensation principle; Social welfare function :Burgeson's criterion, grand utility possibility frontier and welfare function; market failure, externalities and property rights, public goods, incomplete information; Theory of Second Best, Arrow's impossibility theorem; Partial and General Equilibrium

Suggested Readings:

1. Koutsoyiannis, A., (2104) , *Modern Microeconomics*, Macmillan Press,London.
2. Dominik Salvatore, *Microeconomics: Theory and Applications*,(11th edition), Oxford University Press.
3. Ahuja H. L. , (2017) 21st edition, “*Advanced Economics Theory: Micro Economics analysis*”, S. Chand Publishing

Master of Arts (Economics) Semester – II

Course Code: MECL-2172

Macroeconomics-II

Course Outcomes:

After studying this course, students will:

CO1: be able to understand the Basic framework of IS-LM mechanism and relative effectiveness of monetary and fiscal policies

CO2: be able to understand the basic theories of inflation and its solutions.

CO3: be able to understand features of important growth models.

CO4: be able to understand the basic features of of new classical and new Keynesian models.

Master of Arts (Economics) Semester – II
Session 2020-21
Course Code: MECL-2172
Macroeconomics-II

Max. Marks: 100
Theory: 80
CA: 20

Time: 3 hours

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

Neo–classical and Keynesian Synthesis: The IS–LM model; Extension of IS–LM model with government sector, labour market and flexible prices; General Equilibrium in Open Economy: Mundell–Fleming approach in fixed and flexible Exchange rate system; Shapes of IS-LM in open economy. Relative effectiveness of monetary and fiscal policies in closed and open economy.

UNIT– II

Theory of Inflation : Classical, Keynesian and Monetarist approaches, Structuralists' theory of inflation; Philips curve analysis: Short run and long run Philips curve, Natural Rate of Unemployment hypothesis, Adaptive expectations and rational expectations; Policies to control inflation.

UNIT– III

Business Cycles: Theories of Schumpeter, Kaldor, Samuelson, Hicks and Goodwin's model; Control of business cycles.

UNIT– IV

New classical Economics: Rational Expectation Hypothesis, Random Walk, Real Business cycle theory.
New Keynesian Economics: Sticky wage prices, Efficiency Wage models, Insider-Outsider Model.

Suggested Readings:

1. Richard T. Froyen, 2014, *Macroeconomics : Theory and Policies*, Dorling Kindersley, Noida UP, India.
2. Shapiro, E., 1996, *Macroeconomic Analysis*, Galgotia Publications, New Delhi.

Master of Arts (Economics) Semester – II
Course Code: MECL-2173
Quantitative Methods for Economists-II

Course Outcomes:

After passing this course students will be able to:

CO1: understand the basic concepts and techniques for analysing data.

CO2: recognize the connection between theory and applications by appropriately fitting, assessing and interpreting the results/ outcomes.

CO3: develop statistical approach and thinking among students to problem solving.

Master of Arts (Economics) Semester – II
Session 2020-21
Course Code: MECL-2453
Quantitative Methods for Economists-II

Max. Marks: 100
Theory: 80
CA: 20

Time: 3 hours

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

Meaning, assumptions and limitations of a simple correlation and regression analysis; Pearson's product moment and Spearman's rank correlation coefficients and their properties; Concept of the least-square technique and the lines of regression; Standard error of estimate; Partial and multiple correlation and regression (applications only).

UNIT– II

Analysis of Time Series : Definition, components of time series, measurement of trend by different methods, measurement of seasonal variations.

Methods of estimation of non-linear equations – Parabolic, Exponential, Modified Exponential and Logistic Curves.

UNIT– III

Deterministic and non-deterministic experiments; Various types of events; Classical and empirical definitions of probability; Laws of addition and multiplication; Conditional probability and concept of independence; Baye's theorem and its applications; Elementary concept of random variable; Probability, mass and density functions; Expectation, Properties (without derivations) of binomial, Poisson and normal distributions.

UNIT– IV

Basic concepts of sampling – random and non-random methods of sampling; Concept of an estimator and its sampling distribution; Concepts of statistical hypotheses – Null and alternative : level of significance; Type-1 and Type-2 errors; Confidence interval; Hypothesis testing in respect of means and proportions.

Suggested Readings:

1. Gupta, S.C., *Fundamentals of Statistics*, Himalaya Publishing House ,Delhi
2. Gupta, S.P., *Statistical Methods*, Sultan Chand & Sons, Delhi
- 3.. Kapoor, V.K and Gupta, S.C. , *Fundamentals of Mathematical Statistics* , Sultan Chand & Sons, Delhi.
4. Levin, Richard and David S. Rubin, *Statistics for Management*, Prentice Hall of India, New Delhi..
5. Spiegel, Andrew. F, *Practical Business Statistics*, International Edition, McGraw Hill Irwin.

Master of Arts (Economics) Semester – II
Session 2020-21
Course Code: MECL-2174 OPT-I
Public Finance

Course outcome:

After passing this course students will be able to:

- CO1:** analyze the functioning of modern public finance to predict and verify the effects of government intervention on behavior of individuals, households and firms.
- CO2:** understand the fiscal policy principles and demonstrate a good understanding of the fiscal framework for taxing and spending.
- CO3:** classify public revenues and expenditures through the budget and to analyze the instruments and objectives of budgetary policy.
- CO4:** analyze critically tax reforms and policy choices in developed and developing countries.

Master of Arts (Economics) Semester – II
Session 2020-21
Course Code: MECL-2174 (OPT-I)
Public Finance

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

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.

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. (Ed.) (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 (Chairman : Raja J. Chelliah).

Master of Arts (Economics) Semester-II
Session 2020-21
Course Code: MECM- 1125 (OPT- XI)
Computer Applications for Economists

Course Outcomes:

After passing this course the student will be able to:

CO1: understand the Organisation of Computer System and functioning of various units.

CO2: solve simple problems using I/O statements, control statements, looping, arrays and library functions of C programming.

CO3: understand Number systems, conversion from one number to another and floating-point arithmetic.

CO4: make use of word processing and spreadsheet software.

Master of Arts (Economics) Semester-II
Session 2020-21
Course Code: MECM- 1125 (OPT - XI)
Computer Applications for Economists

Time: 3+3 Hours

Max. Marks: 100

Theory: 50

Practical: 30

CA: 20

Note: Instructions for the Paper-Setters/Examiners:

- (i) First question consisting of 10 short answer type based upon the entire syllabus, (each carrying 1 marks) will be compulsory.
- (ii) Students will attempt 1 out of 2 questions from each of four units (10 marks each).

Unit– I

Introduction to Computers: What is Computer and its applications?

Computer Organization: Input/output unit, memory unit, control unit.

Input Unit: Input devices and functions (Keyboard, Joystick, Mouse, Light Pen, Magnetic Tape, Magnetic Disks, Floppy Disk, OMR (Optical Mark Reader), Optical Character Reader (OCR), Punch Cards).

Output Unit: Output devices and functions (Visual Display Unit (Monitor), LCD and LED, Plotters, Printers, CTD).

Unit– II

Data Representation: Introduction to Number System (Binary system, Octal number system, hexadecimal number system, Decimal number system) ;Converting from one number to another number: Converting to binary from octal, converting to octal from binary, converting to decimal from binary, octal, hexadecimal, converting to binary from hexadecimal, converting to hexadecimal from binary.

Floating Point Arithmetic: Addition, Subtraction, Multiplication, Division of Floating Point.

UNIT -III

MS Word: Overview, Creating, Saving, Importing, Exporting and Inserting Files, Formatting pages, Paragraphs and Sections, Indents and Outdents, Creating lists and numbering, Heading, Styles, Fonts and font size, Editing, Positioning and Viewing texts, Finding and replacing text Inserting page breaks, Page numbers, Book marks, Symbols and dates using tabs and tables, Header, footer and printing.

MS Excel: Worksheet Overview, entering information, Worksheet Creation, Opening and Saving, Workbook, Formatting numbers and texts, protecting cells, Producing Charts and Printing Operations.

UNIT -IV

Introduction to ‘C’ Language: ‘C’ character set, data types; Constants and variables, assignment statement; Expression.

Input-Output Statement: Scanf, printf, Library functions.

Control structures; Decision making and Loop statements.

Use of: Arrays, String and String functions.

Suggested Readings:

1. K.S. Kahlon, Rashpal Singh, Gurminder Singh: Programming in 'C' Kalyani Publishers.
2. Kanetkar, Yashavant P., '*Let us 'C'*', BPB Publications.
3. Singh, Gurminder & Singh, Rashpal, '*P.C. Computing*' Kalyani Publishers.
4. Sharma, Anshuman, '*Learn programming in C*', Lakhanpal Publishers.
5. Sharma, Anshuman, Kakkar, Sumeet Kaur, Dr. Singh, Hardeep, Sharma, Vishal, '*A book of fundamentals of Information Technology*', Lakhanpal Publishers.
6. UNIMAX, '*Programming in 'C'*', UNIMAX Publications.

Master of Arts (ECONOMICS) SEMESTER – IV

Session 2020-21

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 technology, appropriate technology for under developed countries and transfer of technology from developed countries to developing countries.

CO3: explain and analyze the use of cost-benefit analysis.

CO4: appreciate the importance and limitations of planning in India.

CO5: demonstrate the understanding of different plan models.

Master of Arts (Economics) Semester – IV
Session 2020-21
Course Code: MECL-4171
Course Title: Economics of Planning

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

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 Globalisation and Liberalisation.

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 UNDO 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.

Suggested Readings:

1. Eckaus, P.S. and Parikh, K.S.,(2003), *Planning for Growth* , The MIT Press.
2. Rudra, Ashok, *Indian Plan Models*, Bombay Allied Publishers.
3. Singh, Joginder and R.K.Lekhi,(2015), *The Economics of Development and Planning* , Kalyani Publishers.
4. Todaro, P., (2016) ,*Development Planning : Models & Methods*, Oxford University press.

Master of Arts(Economics) SEMESTER – IV
Session 2020-21
Course Code: MECL-4172
Course Title: International Economics-II

Course outcome:

After passing this course students will be able to:

After studying this course, students will:

CO1: be able to understand the concept, structure, disequilibrium causes and measures through which disequilibrium can be corrected.

CO2: be able to understand how the exchange rate is determined.

CO3: able to understand the international monetary system: past, present and future.

CO4: able to understand the effect of economic integration in general and custom union in particular.

Master of Arts(Economics) Semester – IV
Session 2020-21
Course Code: MECL-4172
Course Title: International Economics-II

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

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.

Suggested Readings:

1. Bhagwati, J. (Ed.) , International Trade : Selected Readings, Cambridge University Press, Massachusetts.
2. Kindleberger, C.P. , International Economics, R.D. Irwin, Homewood.
3. Krugman, P.B. and M. Dkstfeld , International Economics, Theory and Policy, Glenview, Foresman.
4. Salvatore, D. , International Economics, Prentice Hall, Upper Saddle, NJJ. New York.
5. Soderston, Bo , International Economics, The Mcmillan Press Ltd. London.
6. Godstein, M. , The Asian Financial Crisis : Causes and Systematic Implication, Institute for International Economics, Washington, D.C.

Master of Arts (ECONOMICS) SEMESTER – IV
Session 2020-21
Course Code: MECL-4173
Course Title: Punjab Economy

Course outcome:

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 2020-21
Course Code: MECL-4173
Course Title: Punjab Economy

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

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.

Suggested Readings:

1. Singh .Sukhwinder, *Punjab's Economics Development In The Era of Globalasition*, Prakash book depot.
2. Singh .Lakhwinder, *Economic Tranformation of a Developing Economy The Experience of Punjab*, India.
3. Bawa, R.S. and P.S. Raikhy, *Punjab Economy: Emerging Issues*, G.N.D.U. Amritsar.
4. P.S. Raikhy and Paramjit Nanda, *Impact of WTO Regime on Punjab Industry*, G.N.D.U. Amritsar
5. Punjab Government, Statistical abstract of Punjab.
6. Punjab Government, Punjab Budget

Master of Arts (Economics) Semester –IV
Session 2020-21
Course Code: MECL-4174 OPT-8
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 model and problems associated with it.

CO3: understand basic properties of time series and panel data

Master of Arts (Economics) Semester – IV
Session 2020-21
Course Code: MECL-4174 OPT-8
Econometrics

Max. Marks: 100

Theory: 80

CA: 20

Time: 3 hours

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

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 hetero-scedasticity and multi-collinearity.

UNIT – III

Nature, test, consequences and remedial steps of the problem of auto-correlation; Concepts of stationarity, random walk model, unit roots (Dickey-Fuller test and Augmented Dickey-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 technique: Alternative applications – Testing structural stability of regression models, comparing two regression equations, interaction effect, seasonal analysis.

Suggested Readings:

1. Gujarati, D.N, 2014, *Basic Econometrics*, McGraw Hill, New Delhi.
2. Madnani GMK, 2015, *Introduction of Econometrics*, Oxford and IBH Publishing, N. Delhi.
3. Koutsoyiannis, A, 2001, *Theory of Econometrics*, The Macmillan Press Ltd., London.

Master of Arts (Economics) Semester – IV
Session 2020-21
Course Code: MECL-4175
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) Semester – IV
Session 2020-21
Course Code: MECL-4175
OPT-X: Economics of Public Enterprises

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

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

Organisational 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.

Suggested Readings:

1. Government of India, “*Annual Reports on the Industrial and Commercial Undertakings of Central Government.*”.
2. Institute of Public Enterprises, “*Pricing and Investment in Public Enterprises Lavinge*” M., Socialist Economies of Soviet Union and Europe .
3. Jagdishprakash ,”*Administration of Public Enterprises in India*”, Himalaya Publishing House .
4. Khera, S.S., “*Management and Control in Public Enterprises*”.
5. NarainLaxmi:”*Principles and Practice of Public Enterprises Management*”, Ajanta Publications, New Delhi, 1981.
6. Sinha, J.B.S., “*Some Problems of Public Sector Organisation*”.
7. Sharma, B.S.,”*Financial Planning in Indian Public Sector*”.

(ANNEXURE -E)

FACULTY OF ECONOMICS & BUSINESS

SYLLABUS of Bachelor of Science (Additional/Optional Course in Banking) (Semester II, IV, VI) (Under Continuous Evaluation System)

Session: 2020-21



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

B.Sc. (Economics) with banking as an Additional optional Subject

Students can opt Banking as an additional subject. In all semester students have to study one additional paper on the banking. The program aims to build 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 ability.

PSO2: critically reflect on the causes and consequences of financial and banking crises.

PSO3: prepare banking P.O. exams and take leadership & managerial role in banking.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
Scheme and Curriculum of Examinations of
Bachelor of Arts / Bachelor of Science (Additional / Optional Course
in Banking)
Session: 2020-2021

Bachelor of Arts/ Bachelor of Science, Semester II (Additional / Optional Course in Banking)								
Course Name	Program Name	Course Code	Course Type	Marks				Examination time (in Hours)
				Total	Ext.		CA	
					L	P		
Banking (Reasoning and Mental Ability)	Bachelor of Arts/Bachelor of Science (Additional / Optional Course in Banking)	BECL-2026	O	100	80	--	20	3

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 Examinations of Bachelor of Science (Additional / Optional Course in Banking) Session: 2020-2021

Bachelor of Science, Semester IV (Additional / Optional Course in Banking)								
Course Name	Program Name	Course Code	Course Type	Marks				Examination time (in Hours)
				Total	Ext.		CA	
					L	P		
Banking General Awareness ()	Bachelor of Science (Additional / Optional Course in Banking)	BECL-4026	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 Examinations of Bachelor of Science (Additional / Optional Course in Banking) Session:2020-2021

Bachelor of Science, Semester VI (Additional / Optional Course in Banking)								
Course Name	Program Name	Course Code	Course Type	Marks				Examination time (in Hours)
				Total	Ext.		CA	
					L	P		
Banking (Basic Accounting)	Bachelor of Science (Additional / Optional Course in Banking)	BECL-6026	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-II)

Session 2020-21

Course Code: 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: draw conclusions or make decisions in quantitatively based situations and will analyze how different situations would affect the decisions.

**Bachelor of Arts/Bachelor of Science with Additional/Optional Course in Banking
(Semester-II)
Session 2020-21
Course Code: BECL-2026
BANKING (Reasoning and Mental Ability)**

Time: 3:00 Hours

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

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 fig , Cubes and Dice, Logical Venn Diagram

UNIT IV

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

Books recommended:

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

Note: The latest editions of the books should be followed.

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

Session 2020-2021

Course Code: BECL-4026

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 Indus Valleycivilisation to freedom struggle.

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

CO3: have an understanding of Indian economy, planning process in India, tax structure and policies of central government.

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

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

Session 2020-2021

Course Code: BECL-4026

Banking (General Awareness)

Time: 2:00 hrs

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 Civilisation: 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, National symbols, Judiciary system: High Court and Supreme court.

UNIT III

Indian Economy: Agriculture and Industrial policies in India, Five year plans, NITI Aayog, Finance commission, Taxation system, GST, Fiscal Policy.

UNIT IV

Current Affairs: Annual Financial and Railway Budget, Introduction to current Schemes and policies implemented by Government, National and International Organisations; IMF, World Bank, ADB, ILO, UNO, UNESCO, SAARC, BRICS, Important days and dates, Current cabinet minister and governors.

Suggested Readings:

1. *Lucent's; (2020), General Knowledge*, Lucent Publications.
2. Pandey, Manohar; (2020), *General Knowledge*, Arihant Publications.

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

Session 2020-2021

Course Code: BECL-6026

Banking (Basic Accounting)

Course Outcomes:

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

CO1: Acquire conceptual knowledge of basic accounting and gain skills required for recording various kinds of business transactions.

CO2: Recognize circumstances providing for increased exposure to fraud and define preventative internal control measures.

CO3: Prepare financial statements in accordance with Generally Accepted Accounting Principles

CO4: Prepare final accounts of sole proprietor (Trading account, Profit & Loss Account and Balance Sheet).

CO5: Prepare final accounts of Banking Institutions as per Banking Regulation Act.

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

Session 2020-2021

Course Code: BECL-6026

Banking (Basic Accounting)

Time: 2:00 Hours

Max. Marks: 100

Theory: 80

CA: 20

Note: Instructions for the Paper–Setters:

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

Introduction: Financial Accounting-Definition and Scope, Objectives of Financial Accounting, Accounting v/s Book Keeping, Terms used in accounting, Users of Accounting Information and Limitations of Financial Accounting.

Conceptual Frame work: Accounting Concepts, Principles and Conventions

Recording of Transactions: Accounting Process/Cycle, Journal.

Unit-II

Subsidiary Books, Ledger, Cash Book, Trial Balance, Bank Reconciliation Statement.

Depreciation: Meaning, need & importance of depreciation, methods of charging depreciation (WDV & SLM).

Unit-III

Final Accounts: Meaning of Financial Statements, Usefulness of Financial Statements, Elements of Financial Statements, Preparation of Trading and Profit & Loss Account and Balance Sheet without Adjustments.

Unit-IV

Introduction to Final Accounts of Banking Institutions: Preparation of final accounts of a Banking Institutions & Understanding the Annual Report of banks.

Computerised Accounting: Introduction to Accounting software package (Tally)

References/ Textbooks:

1. Gupta, Ambrish, “Financial Accounting for Management: An Analytical Perspective”, Pearson Education, New Delhi.
2. Khatri, Dhanesh, “Financial Accounting” Tata McGraw-Hill, New Delhi.
3. Horngren, Charles T., Sundem, Gart I, Elliot, John A.Philbrick, Donna R., “Introduction to Financial Accounting”, Prentice Hall, New Delhi.
4. Ramachandran, N and Kakani, Ram, “Financial Accounting for Management”, Tata McGraw-Hill,New Delhi.
5. Shukla, M.C., Grewal T.S. and Gupta, S.C., “Advance Accounts”, Sultan Chand& Sons, New Delhi.

Note: The latest editions of the books should be followed.

(ANNEXURE -F)

FACULTY OF ECONOMICS & BUSINESS SYLLABUS

For

Bachelor of Arts/Bachelor of Science(Economics):

Semester IV,VI

in

(Economics Honours)

(Under Continuous Evaluation System)

(12+3 System of Education)

Session: 2020–21



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

Scheme of Studies and Examination

Bachelor of Arts/Bachelor of Science(Economics): – Semester: IV ,VI

Economics Honours

Program Name	Course Code	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
B.A./B.Sc.(Economics)Economics Honours- Sem IV	BARL-4609/ BECL-4607 (OPT-__)	E	100	80	--	20	3

Program Name	Course Code	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
B.A./B.Sc.(Economics)Economics Honours- SemVI	BARL-6609/ BECL-6607 (OPT-__)	E	100	80	--	20	3

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

NOTE:-The student who wishes to opt for B.A. (Hons.) in Economics will take oneoption in Semester–III & IV 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: understand several key models and concepts of monetary economics and banking theory.

CO2: demonstrate an understanding of nature of money and the role of banks and financial markets in the economy.

CO3: understand the role of banks in modern monetary economies and financial Intermediation.

CO4: understand the main policy challenges central banks face in choosing appropriate goals, instruments and targets in the conduct of monetary policy.

CO5: understand the main determinants of interest rates in bond and money markets.

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–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

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 and Development, International Finance Corporation. International Development Association and Asian Development Bank.

Suggested Readings:

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

B.A./B.Sc. Eco. (Economics Honours)
OPT-2: Public Finance

Course outcome:

After passing this course students will be able to:

CO1: analyze the functioning of modern public finance.

CO2: classify public revenues and expenditures through the budget and to analyze the instruments and objectives of budgetary policy.

CO3: Study the Effects of public expenditure on production, distribution, social overhead capital, stability and Innovation.

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–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

Principles of Public Finance: Subjective and Objective Criteria. Theories of Public Expenditure:Wagnerand keynes. Theory of Social Goods: distinction between public, private and meritgoods.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 andeconomic growth.

UNIT–II

Effects of public expenditure on production, distribution, social over head 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. Performancebudgets.Budget as an instrument of mobilisation and canalisation 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.Musgrave, R.A. , “*The Theory of Public Finance*”, McGraw Hill, Kogakusha, Tokyo.
- 2.R.K.Lekhi ,Joginder Singh “*Public finance*”,Kalyani Publisher.
- 3.Tyagi B.P.(2004), “*Public Finance*” , Jai PrakashNath& Company, Meerut.

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–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

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 Menger; Jevons; Wieser, Böhm-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 on 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.
4. Roll. E.: History of Economic Thought.
5. Gide and Rist: A History of Economic Doctrines, Oxford Univ., Calcutta.

B.A./B.Sc. Eco. (Economics Honours)
OPT-4: International Economics

Course outcome:

After passing this course students will be able to:

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

CO2: understand the balance of payment problems and the exchange rate determination.

CO3: understand the critical aspects of current policies environment such as economic integration, issues of international liquidity and reviews the financial crisis such as East-Asian 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–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

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. Inter-relationship 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 the 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.

Books Recommended:

1. Sodersten, B.O.: International Economics, IInd Edition, Macmillan Press Ltd., London.
2. Salvatore, D.: International Economics, New York, Macmillan, 1983.
3. Mithani, D.M.: International Economics, Himalaya publishing House.
4. Aggarwal, M.R.: International Institutions and Development in Developing Countries, Deep & Deep Publications, New Delhi.

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 advance concepts and theories of industrial structure, conduct and performance

CO2: understand the different sources of industrial finance and their significance to evaluate firms performance.

CO3: understand the role and basic models of advertisement expenditure and profitability; and role of R&D expenditure and innovations on the working of firms.

CO4: understand the Industrial policy and development process 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–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

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 commercialization of innovations; international transfer of technology.

Industrial Structure and Economic development; process of industrialization – rationale, objectives, strategies and policies; 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 Sundram(2016), *Indian economy*, S.Chand Publications, New Delhi.
4. Dhar P.K. (2016), *Indian Economy: Its Growth and Dimensions*, Kalyani Publications.

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 various theories of agriculture economics.

CO2: Analyse trends in production, productivity in green revolution and post green revolution era.

CO3: Understand the concept of Agricultural Finance& Agricultural credit.

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 effecting 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 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 utilization, Agricultural Taxation.

Suggested Readings:

- 1..Dantwala, M.L. (1986), “*Agricultural Growth India*”, I.S.A.E.
- 2..P.K. Gupta : “*Agricultural Economics*”, Vrinda publications.
- 3.R.K .Lekhi&Joginder Singh : “*Agricultural Economics (An Indian Persective)*” Kalyani Publishers .
- 4.R.N. Soni&SangeetaMalhotra , “*:Leading issues in Agricultural Economics*”.

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 as agricultural commodities go from the farm gate to the plate.

CO2: Comment on agricultural trade, policies, trade barriers, and national organizations 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–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

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 efficiency of system of agricultural marketing, efficiency of agricultural marketing in India, measures to improve efficiency of agricultural marketing in India.

Unit-IV

Foodgrains marketing system in Indian, 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.

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 public sector in economic development, objectives scope and growth of 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–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

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

Historical perspective of 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. Jagdishprakash, "*Administration of Public Enterprises in India*", Himalaya Publishing House .
2. Khera, S.S., "*Management and Control in Public Enterprises*".
3. NarainLaxmi: "*Principles and Practice of Public Enterprises Management*", Ajanta Publications, New Delhi, 1981.

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 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–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

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

(ANNEXURE -G)

FACULTY OF ECONOMICS AND BUSINESS

SYLLABUS OF ECONOMICS For

Bachelor of Commerce (Pass &Hons.)

(Semester: II)

(Under Continuous Evaluation System)

(12+3 System of Education)

Session: 2020–21



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

Scheme of Studies and Examination
Bachelor of Commerce (Pass&Hons.)
Session 2020-21

Semester II							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BCRL-2175	Business Economics	C	50	40	-	10	3

C- Compulsory

Bachelor of Commerce (Pass &Hons.) Semester – II
Session 2020-21
Course Code: BCRL–2175
Business Economics

Course Outcomes:

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

CO1: understand the core concepts of utility, equilibrium & market structure.

CO2: understand different concepts of cost structure of a firm in short run and long run.

CO3: understand the production decisions of a producer in the context of inputs and different market structures.

CO4: understand the concept of national income and its methods .

Bachelor of Commerce (Pass and Hons.) Semester – II

Session 2020-21

Course Code: BCRL–2175

Business Economics

Time: 3 Hours

Max. Marks: 50

Theory: 40

CA: 10

Instructions for the Paper Setter:

Two questions, each carrying 8 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

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., "Managerial Economics", 7th Edition, Vikas Publication.

(ANNEXURE -H)

FACULTY OF ECONOMICS AND BUSINESS

SYLLABUS OF ECONOMICS

For

Bachelor of Business Administration (Semester: II)

(Under Continuous Evaluation System)

(12+3 System of Education)

Session: 2020-21



**The Heritage Institution
Kanya MahaVidyalaya, Jalandhar
(Autonomous)**

Scheme of Studies and Examination
Bachelor of Business Administration (BBA)
Session 2020-21

Semester II							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BBRL-2175	Managerial Economics-II	C	50	40	-	10	3

C- Compulsory

Bachelor of Business Administration (Semester – II)
Session 2020-21
Course Code: BBRL-2175
Managerial Economics- II

Course Outcomes:

After passing this course, students will be able to:

CO1: understand the Consumption and investment behavior of an economy and factor affecting consumption and investment decisions.

CO2: understand the basics of national income accounting and theoretical details of classical and Keynes model of employment.

CO3: understand the problem of inflation, its causes, effects and solutions in an economy.

Bachelor of Business Administration (Semester – II)
Session 2020-21
Course Code: BBRL-2175
Managerial Economics- II

Time: 3 Hours

M. Marks: 50

Theory: 40

CA: 10

Instructions for the Paper Setters:

Two questions, each carrying 8 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

Macroeconomics: Meaning, nature and scope. Basic concepts: Stock and flow variables, static, comparative static and dynamic analysis.

National Income: Concept and Importance of National Income. Gross and Net National Product, 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.

Unit-II

Consumption Function: Meaning and Nature, Determinants and Measures to raise Propensity to Consume, Keynes Psychological Law of Consumption- Meaning, Properties and Implications.

Unit-III

Investment: Classical Theory of Investment, Keynesian Theory of Investment, Accelerator Theory of Investment.

Keynesian Economics: : Theory of Money , Saving and Investment Function.

Multiplier: Static and Dynamic Analysis; Balanced Budget Multiplier, Employment Multiplier

Unit-IV

Business Cycle: Keynes's Theory of Trade Cycle, Kaldor's Theory of Trade Cycle, Hicks' Theory of Trade Cycle, Samuelson's Theory of Trade Cycle

Inflation: Meaning, Types, Theories, Causes, effects and Context.

Suggested Readings:

1. Dwivedi D.N., *Macroeconomics: Theory and Policy*, Tata McGraw-Hill.
2. Jhingan M. L., *Macroeconomic Theory*, Vrinda Publications Delhi.

(ANNEXURE -I)

FACULTY OF ECONOMICS AND BUSINESS

**SYLLABUS
OF
ECONOMICS**

For

**Bachelor of Commerce HONS. (Semester: II)
(Under Continuous Evaluation System)
(12+3 System of Education)
Session: 2020-21**



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

Scheme of Studies and Examination
Bachelor of Commerce HONS. (Semester: II)
Session 2020-21

Semester II							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BCOL-2174	Macro Economics	C	100	80	–	20	3
BCOL-2176	Inferential Statistics for Business	C	100	80	–	20	3

C-Compulsory

Bachelor of Commerce (HONOURS) SEM-II
Session 2020-21
BCOL-2174
Macro Economics

Course Outcomes:

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

- CO1:** learn the Concepts and measurement of National Income and methods of measuring National Income.
- CO2:** learn Concept of demand for and supply of money.
- CO3:** learn Concept of Inflation and its various types and monetary and fiscal policies to control inflation.

Bachelor of Commerce (HONOURS) SEM-II

Session 2020-21

BCOL-2174

Macro Economics

Time: 3 Hours

Max. Marks: 100

Theory: 80

CA: 20

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

Macroeconomics – scope and basic concepts.

National Income Accounting - Concepts and measurement of GDP, GNP, NNP, NI and DPI, Methods of measuring National Income, Problems in measuring National Income, Circular flow of income - Two sector, three sector and four model, Real and Nominal GDP–Implicit deflator

Unit-II

Aggregate Demand and Aggregate Supply: Classical and Keynesian approach to AD-AS approach; Determination of aggregate demand, Shifts in aggregate demand, Aggregate supply in the short and long run. Economy in the short run IS–LM framework.

Theory of Macro Economic Equilibrium: Simple Keynesian Model; Consumption, saving and Investment functions, Investment and Government expenditure multipliers

Unit-III

Money: Concept of demand for and supply of money. Quantity theory of money and Keynesian theory of demand for money. Measures of money supply – High powered money – Money multiplier.

Inflation: Concept of Inflation – Demand-pull and cost-push theories of inflation – Measures to control inflation.

Unit-IV

Monetary policy: Role of monetary policy; Instruments of monetary policy, Latest monetary policy of RBI

Fiscal policy: Role of fiscal policy, Instruments of fiscal policy Latest fiscal policy of RBI

Balance of payment: Meaning, its types and Structure, Balance of payment and Balance of trade, Factor responsible for disequilibrium in BOP, Methods to correct BOP.

Suggested Readings:

1. Dwivedi D.N., *Macroeconomics: Theory and Policy*, Tata McGraw-Hill.
2. Jhingan M. L., *Macroeconomic Theory*, Vrinda Publications Delhi.

Bachelor of Commerce (HONOURS) SEM-II
Session 2020-21
Course Code: BCOL-2176
Inferential Statistics for Business

Course Outcomes:

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

CO1: compute and interpret measures of population

CO2: calculate, interpret and communicate the hypothesis testing

CO3: demonstrate understanding of basic concepts of sampling distribution

CO4: investigate and understand various tests for survey and research

Bachelor of Commerce (HONOURS) SEM-II
Session 2020-21
BCOL-2176
Inferential Statistics for Business

Time: 3 Hrs

Max. Marks: 100
Theory: 80
CA: 20

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

Population-Sample, Central Limit Theorem and Confidence Interval

- Confidence Intervals for One Population Mean
- Estimating a Population Mean Confidence Intervals for One Population Mean When σ Is Known
- Confidence Intervals for One Population Mean When σ Is Unknown

Hypothesis Tests for One Population Mean

- The Nature of Hypothesis Testing
- Critical-Value Approach to Hypothesis Testing
- P-Value Approach to Hypothesis Testing
- Hypothesis Tests for One Population Mean When σ Is Known
- Hypothesis Tests for One Population Mean When σ Is Unknown
- The Wilcoxon Signed-Rank Test
- Type II Error Probabilities; Power

Unit-II

Inferences for Two Population Means

- The Sampling Distribution of the Difference between Two Sample Means for Independent Samples
- Inferences for Two Population Means, Using Independent Samples: Standard Deviations Assumed Equal
- Inferences for Two Population Means, Using Independent Samples: Standard Deviations Not Assumed Equal
- The Mann–Whitney Test
- Inferences for Two Population Means, Using Paired Samples
- The Paired Wilcoxon Test

Unit-III

Inferences for Population Standard Deviations

- Inferences for One Population Standard Deviation
- Inferences for Two Population Standard Deviations, Using Independent Samples

Inferences for Population Proportions

- Confidence Intervals for One Population Proportion
- Hypothesis Tests for One Population Proportion

Inferences for Two Population Proportions

Unit-IV

Chi-Square Procedures

- The Chi-Square Distribution

- Chi-Square Goodness-of-Fit Test
- Contingency Tables; Association
- Chi-Square Independence Test
- Chi-Square Homogeneity Test

Software

1. Jamovi <http://cdar.gndu.ac.in/downloadOSSoftware.aspx>
2. Gretl <http://cdar.gndu.ac.in/downloadOSSoftware.aspx>

Suggested Books:

1. Sahu P. K., Pal, S. R., & Das, A. K. (2015). Estimation and inferential statistics. Springer, India.
2. Lowry R. (2014). Concepts and applications of inferential statistics. Available at <http://vassarstats.net/textbook/>
3. Bernstein R., & Bernstein, S. (1999). Schaum's outline of elements of statistics II: Inferential Statistics, McGraw Hill Professional.
4. Judge G. G., Hill, R. C., Griffiths W., Lutkepohl, H. & Lee, T. C., Introduction to the Theory and Practice of Econometrics. Wiley
5. Greene W. H., Econometric analysis, Pearson Education India.

(ANNEXURE -J)

FACULTY OF ECONOMICS AND BUSINESS

**SYLLABUS
OF
ECONOMICS**

For

**Bachelor of Commerce (Financial Services) (Semester: II)
(Under Continuous Evaluation System)
(12+3 System of Education)
Session: 2020-21**



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

Scheme of Studies and Examination
Bachelor of Commerce (Financial Services)
Session 2020-21

Semester II							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BCFL-2453	Quantitative Techniques for Business-II	C	50	40	-	10	3

C- Compulsory

Bachelor of Commerce (Financial Services) (Semester-II)

Session 2020-21

Course Code: BCFL-2453

Quantitative Techniques for Business-II

Course Outcomes:

CO1 identify the population of interest, parameter, sample and statistics from a study

CO2: identify whether a probability sampling method or a non probability sampling method was used to obtain the study data.

CO3: recognize the connection between theory and applications by appropriately fitting, assessing and interpreting the results/ outcomes.

CO4: develop statistical approach and thinking among students to problem solving on a diverse variety of disciplines.

Bachelor of Commerce (Financial Services) (Semester-II)

Session 2020-21

Course Code: BCFL-2453

Quantitative Techniques for Business-II

Time: 3 Hours

M. Marks: 50

Theory: 40

CA: 10

Instructions for the Paper Setter

Two questions, each carrying 8 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

Correlation Analysis:- Simple Correlation between two variables (grouped and ungrouped data), Rank Correlation, Concurrent Correlation, Partial and multiple Correlation

Unit-II

Simple Regression Analysis:- Grouped and Ungrouped data Interpolation and Extrapolation with equal and unequal class intervals (Binomial, Newton's and Lagrange's formula)

Unit-III

Probability Theory:- Addition and Multiplication theorems, Probability Distribution, Binomial, Poisson and normal (Fitting of these distributions)

Unit-IV

Sampling:- Various Concepts- Population, Sampling Units, Complete enumeration sample survey, Features of a good sample, Sampling Techniques

Suggested Readings:

1. Gupta, SC: Fundamentals of Statistic, Himalaya Publishing House, 7th Edition, 2018, Delhi
2. Gupta, SP: Statistical Methods, Sultan Chand & Sons, 43rd Edition, 2014, Delhi

(ANNEXURE -K)

FACULTY OF ECONOMICS AND BUSINESS

SYLLABUS OF ECONOMICS For

Bachelor of Science (Honours) Agriculture (Semester: II)
(Under Continuous Evaluation System)

Session: 2020-21



The Heritage Institution
Kanya MahaVidyalaya, Jalandhar
(Autonomous)

Scheme of Studies and Examination

Bachelor of Science (Honours) Agriculture Session 2020-21

Semester II								
Course Code	Course Type	Course Title	Hours/ Week	Marks				Examination Time (In Hours)
				Total	Ext.		CA	
					L	P		
BACL-2173	C	Fundamentals of Agricultural Economics	2	50	40	-	10	3

C- Compulsory

Bachelor of Science (Honours) Agriculture (Sem-II)

Session 2020-21

Course Code: BACL-2173

Fundamentals of Agricultural Economics

Course Outcomes:

CO1: After passing this course students will be able to **have** an In-depth grounding in the preliminary concepts and theories in consumer behavior, cost and market structure and production behavior.

CO2: understand the basics of national income accounting.

CO3: demonstrate , implement, create and apply the economic laws in Agriculture.

Bachelor of Science (Honours) Agriculture (Sem-II)
Session 2020-21
Course Code: BACL-2173
Fundamentals of Agricultural Economics

Time: 3 Hrs.

Max. Marks: 50
Theory: 40
C.A.: 10

Instructions for the Paper Setter:

Two questions, each carrying 8 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

Basic concepts: Goods and services, desire, want, demand, utility, cost and price, wealth, capital, income and welfare. Agricultural economics: meaning, importance role of Agriculture in economic development. Agricultural planning and development in the country.

Demand: meaning, law of demand, schedule and demand curve, determinants, utility theory; law of diminishing marginal utility, equi-marginal utility principle.

UNIT-II

Consumer's equilibrium and derivation of demand curve, concept of consumer surplus.

Elasticity of demand: concept and measurement of price elasticity, income elasticity and cross elasticity.

Production: input output relationship. Law of variable proportions and law of returns to scale.

Cost: concepts, short run and long run cost curves. Supply: Stock v/s supply, law of supply, schedule, supply curve, determinants of supply, elasticity of supply.

UNIT-III

Market structure: meaning and types of market, basic features of perfectly competitive and imperfect markets. Price determination under perfect competition; short run and long run equilibrium of firm and industry

National income: Meaning concepts of national income approaches to measurement, difficulties in measurement, .Population: Malthusian theory

UNIT-IV

Money: Barter system of exchange and its problems, meaning and functions of money, classification of money, Agricultural and public finance: micro v/s macro finance, need for agricultural finance, public revenue and public expenditure.

Tax: meaning, direct and indirect taxes, agricultural taxation, socialistic and mixed economies, Elements of economic planning.

Suggested Readings

1. Lekhi, R.K. and Singh, J., *Agricultural Economics*-, Kalyani publishers, Ludhiana, 2007.
2. Ahuja, H. L., "*Modern Micro Economics*", (2009), Sultan Chand and Co.
3. Dwivedi, D.N., "*Macroeconomics: Theory and Policy*", 3rd Edition (2010), Tata McGraw Hill.

(ANNEXURE -L)

FACULTY OF SCIENCES

SYLLABUS

OF

ECONOMICS

For

Bachelor of Science (Home Science) (Semester: IV)
(Under Continuous Evaluation System)
(12+3 System of Education)

Session: 2020–21



The Heritage Institution
Kanya Maha Vidyalaya, Jalandhar
(Autonomous)

Scheme of Studies and Examination
Bachelor of Science (Home Science)
Session 2020-21

Semester IV							
Course Code	Course Name	Course Type	Marks				Examination time (in Hours)
			Total	Ext.		CA	
				L	P		
BHSL-4172	CONSUMER ECONOMICS	C	50	40	-	10	3

C- compulsory

Bachelor of Science (Home Science) (Sem.-IV)
Session 2020-21
Course Code: BHSL-4172
CONSUMER ECONOMICS

Course Outcomes:

After studying this course, students will be able:

CO1: To train the students about their rights and responsibilities as consumer

CO2: To aware the students about consumer protection right.

CO3: To impart knowledge about consumer buying, grading and standardization, advertising media role and effect.

Bachelor of Science (Home Science): Semester-IV
Session 2020-21
Course Code: BHSL-4172
CONSUMER ECONOMICS

Time: 3 Hours

M. Marks: 50

Theory: 40

CA: 10

Instructions for the Paper Setter

Two questions, each carrying 8 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

Consumer education and Protection
Need for consumer education
Process for consumer protection
Consumer legislation in India with special reference to consumer protection Act 1986
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 & 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.

REFERENCE BOOKS

- 1) Consumer Economics by Surinderjit Kaur R.K. Lakhi and Joginder Singh
- 2) Consumer Pattern in India B.D Gupta Tata McGraw Hill
- 3) Consumer Buying for better living Fitzrimmons C John Willey & sons Inc.
- 4) Consumer Behaviors Schiffman Leon Prentice hall Pub.