

Kanya Maha Vidyalaya, Jalandhar

(An Autonomous College)



Minutes of 10th Meeting of Board of Studies

PG Department of Zoology

Date: 3-6-2025

Time: 1:30 PM

Via Zoom video conferencing

KANYA MAHA VIDYALAYA, JALANDHAR
(UGC Autonomous College)
P.G. Department of Zoology
Proceedings of the Tenth Meeting of Board of Studies held
on 3-6-2025

The Tenth meeting of the board of studies was held in online mode via Zoom on June 3, 2025 at 1:30 pm.

Date: 3-6-2025 (Tuesday)

Time: 1:30 PM

Venue: Online meeting via Zoom

The following members have attended meeting and detailed minutes are listed below:

1.	Dr. Archana Saini , Assistant Professor & Head, Dept. of Zoology, KMV, Jalandhar.	Chairperson	Present
2.	Dr. Arvinder Kaur , Professor, Department of Zoology, Guru Nanak Dev University, Amritsar.	VC Nominee	Present
3.	Dr. Harish Changotra , Associate Professor and Head, Department of Molecular Biology and Biochemistry, Guru Nanak Dev University, Amritsar	Special Invitee	Present
4.	Dr Jyoti Parkash , Assistant Professor, Department of Zoology, Central University, Bathinda	Outside GNDU Nominee	Present
5.	Dr. Chander Prakash , Assistant Professor, Department of Life Sciences, IK Gujral Punjab Technical University, Kapurthala	Outside GNDU Nominee	Present
6.	Mr Jaswant Singh Tiwana , CEO, Tiwana bee Farm, Doraha, Ludhiana	Industry Partner	Absent
7.	Dr Prabha , Assistant Professor, Dept. of Zoology, KMV, Jalandhar.	Alumni	Present
8.	Dr. Mandeep Kaur , Assistant Professor, Dept. of Zoology, KMV, Jalandhar.	Member	Present

The Tenth meeting of Board of Studies of PG department of Zoology started with welcome address by the Chairperson Dr Archana Saini. She apprised the members about the programmes in the department along with teaching and research strengths of the department. She took up the agenda items for deliberations one by one with the permission of committee members.

ZOO: 2025: 10: 1: To discuss and approve the minutes of Board of Studies IX (dated 30-04-2024) and Action Taken Report.

Proceedings: The chairperson sent the proceedings of the previous Board of Studies meeting held on 30 April 2024 through email to all the members and were approved by all the members. The Chairperson however again put up the summary of the proceedings for approval of the house and they approved it through Zoom meeting.

Action Taken Report of Board of Studies Meeting IX

S. No.	Agenda Item	Decision taken in Meeting	Action Taken
Item: ZOO: 2024: 9: 2	To discuss the proposed scheme of Zoology in <u>Bachelor of Science (Medical)/ Honours Sem I -II</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 20% internal assessment for the session 2024-25.	Chairperson Dr Archana Saini discussed the syllabus and course outcomes of <u>Bachelor of Science (Medical)/ Honours Sem I -II</u> under credit based continuous evaluation grading system (CBCEGS) as per NEP 2020 for the session 2024-25 in detail. The following points were highlighted, discussed and approved. - As per the guidelines of NEP 2020, 4 Years degree Programme Bachelor of Science/Honours has been introduced by KMV w.e.f. 2024-25. Bachelor of Science/Honours (Medical) with total 221 credits. - The exit options will be as follows: Exit Option 1: NHEQF Level 7: After successful completion of 3 years (6 semesters)	The board members approved the course.

		Exit Option 2: NHEQF Level 8: After successful completion of 4 years (8 semesters) It was decided to add 30% internal assessment in all papers of Bachelor of Science (Medical)/ Honours as approved by Academic Council meeting held on 24-8-2024 and the content of the syllabus was approved.	
Item: ZOO: 2019: 3	To discuss the proposed syllabus of Zoology in Bachelor of Science (Medical)/ Honours Sem I -II under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 20% internal assessment for the session 2024-25.	As per the guidelines of NEP-2020, 4-year Bachelor of Science (Medical)/ Honours has been introduced w.e.f. the session 2024-25. In Bachelor of Science (Medical)/ Honours semester I and II under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2024-25, Zoology subject will have 6 credits in each semester. It was decided to add 30% internal assessment in all papers of Bachelor of Science (Medical)/ Honours Semester I and II as approved by Academic Council meeting held on 24-8-2024. The following points were highlighted, discussed and approved. 1) Discipline specific courses (DSC) of Zoology in Bachelor of Science (Medical)/ Honours Semester I and II, will have 6 credits per Semester for session 2024-25. 2) Skill Enhance Course (SEC-I) will be offered in Semester II and will have 3 credits.	The approved syllabus is executed

Item: ZOO: 2024: 9: 4	To discuss the proposed syllabus of Zoology in Bachelor of Science (Medical)/ Honours Sem III -IV under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2024-25.	The house discussed and approved the following: 1. In Bachelor of Science (Medical) Semester III to IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2024-25, Zoology subject will have 7 credits in each semester. It was decided to add 20% internal assessment in all papers of Bachelor of Science (Medical) Semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2024-25. 2. The content of the syllabus was approved without any changes.	The approved syllabus is executed
Item: ZOO: 20 9: 5	The syllabus of Zoology in <u>Bachelor of Science (Medical) Sem V -VI</u> for the session 2024-25 will remain the same as the session 2023-24 under Continuous Evaluation System with 20% internal assessment and has already been approved.	The syllabus and course outcomes of Bachelor of Science (Medical) Sem V - VI under Continuous Evaluation System with 20% internal assessment for the session 2024-25 was approved without any change.	The approved syllabus is executed
Item: ZOO: 2024:9: 6	To discuss the proposed scheme and syllabus of New Program <u>Bachelor of Science (Medical Laboratory Technology) Honours</u>	Chairperson Dr Archana Saini discussed the syllabus and course outcomes of <u>Bachelor of Science (Medical Laboratory Technology) Honours Sem I -II</u> under credit based continuous evaluation grading system (CBCEGS) as	The approved syllabus is executed

	<u>Sem I -II</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP with 20% internal assessment for the session 2024-25.	per NEP 2020 with 30% internal assessment for the session 2024-25 in detail. The following points were highlighted, discussed and approved. 1) Bachelor of Science (Honours) Medical Laboratory Technology Semester I to VIII for session 2024-25 will have 194 credits. 2) There will be exit as per guidelines of NEP 2020 for the students enrolled under this programme. 3) Audit courses will be compulsory and credits will not be added towards SGPA/ CGPA and only grades will be provided. 4) It was decided to add 30% internal assessment in all papers of Bachelor of Science (Honours) Medical Laboratory Technology as approved by Academic Council meeting held on 24-8-2024 and the content of the syllabus was approved	
Item: ZOO: 209: 7	The syllabus of Master of Science (Zoology) Sem I - II for the session 2024-25 will remain the same as the session 2023-24 under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment and	The syllabus and course outcomes of <u>M. Sc. (Zoology) Sem I -II</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) was approved by the members. It was decided to add 30% internal assessment in all papers of Master of Science (Zoology) Semester I and II and approved by the members of Academic Council meeting.	The approved syllabus is executed

	has already been approved.		
Item: ZOO: 2019: 8	To discuss the proposed syllabus of Master of Science (Zoology) Sem III - IV Under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2024-25.	The syllabus and course outcomes of <u>M. Sc. (Zoology) Sem III -IV</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for session 2024-25, was approved by the members without any change.	The approved syllabus is executed
Item: ZOO: 2019: 9	The syllabus of paper Biology for Chemists of Sem II for class Master of Science Chemistry for the session 2024-25 will remain the same as the session 2023-24 under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment and has already been approved.	The syllabus and course outcomes of paper <u>Biology for Chemists for M. Sc. (Chemistry) Sem II</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) was approved by the members without any change. It was decided to add 30% internal assessment in paper Biology for Chemist for Master of Science (Zoology) Semester II as approved by Academic Council meeting.	The approved syllabus is executed
Item: ZOO: 2019: 10	To discuss the proposed syllabus of Cell Biology for Class Bachelor of Science (Biotechnology)/ Honours Semester II	As per the guidelines of NEP-2020, 4-year Bachelor of Science (Honours) Biotechnology has been introduced w.e.f. the session 2024-25. In Bachelor of Science (Honours) Biotechnology semester II under Credit Based	The approved syllabus is executed

	under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 20% internal assessment for the session 2024-25.	Continuous Evaluation Grading System (CBCEGS) for session 2024-25, Discipline Specific Course Cell Biology will have 5 credits. It was decided to add 30% internal assessment in paper Cell Biology for Class Bachelor of Science (Biotechnology) Honours Semester II as approved by Academic Council meeting.	
Item: ZOO: 20 9: 11	To discuss the proposed syllabus of Zoology-II for Class Bachelor of Science (Biotechnology) Semester IV under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2024-25.	The house discussed and approved the following: 1. In Bachelor of Science (Biotechnology) Semester IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2024-25, Zoology-II subject will have 3 credits. It was decided to add 20% internal assessment in paper of Zoology-II under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2024-25. 2. The content of the syllabus was approved without any changes.	The approved syllabus is executed
Item: ZOO: 20 9: 12	The syllabus of Applied Zoology and Food Microbiology for Class Bachelor of Science (Home Science) Semester VI for the session 2024-25 will remain the same as the session 2023-24 under Continuous Evaluation	The syllabus of Applied Zoology and Food Microbiology for Class B. Sc. Home Science Semester VI under Continuous Evaluation System with 20% internal assessment for session 2024-25, was approved by the members without any change	The approved syllabus is executed

	System with 20% internal assessment and has already been approved.		
Item: ZOO: 20 9: 13	To discuss the proposed syllabus of paper of <u>Environmental Studies</u> of Semester III for Class B.Sc. (Medical, Non-Medical, Biotechnology, Computer Science, Home Science)/ B. Com. (Regular, Hons), B. Sc. (Hons) Mathematics)/ BBA/ BCA for the session 2024-25 under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment.	The syllabus and course outcomes of Environmental Studies of semester III for class B.Sc. (Medical, Non-Medical, Biotechnology, Computer Science, Home Science)/ B. Com. (Regular, Hons)/ B. Sc. (Hons) Agriculture, B. Sc. (Hons) Mathematics)/ BBA/ BCA under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2024-25, This subject will have 2 credits in semester III. It was decided to add 20% internal assessment under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2024-25. The Course scheme and content of the syllabus was approved without any changes.	The approved syllabus is executed
Item: ZOO: 20 9: 14	To discuss the proposed syllabus of <u>Environmental Studies</u> of Semester IV for Class B.A. / B.A. (Journalism and Mass Communication) / B. Sc. (Fashion Designing) /B.A (Hons.) English, for the session 2024-25	The syllabus and course outcomes of Environmental Studies of Semester IV for B.A. / B.A. (Journalism and Mass Communication) / B. Sc. (Fashion Designing) /B.A (Hons.) English under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2024-25. This subject will have 2 credits in semester IV. It was decided to add 20% internal assessment under Credit Based	The approved syllabus is executed

	under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment.	Continuous Evaluation Grading System (CBCEGS) for session 2024-25. The content of the syllabus was approved without any changes.	
Item: ZOO: 2019: 15	To discuss the proposed syllabus of Environmental Studies of Semester IV for Class B. Voc. (Retail Management, Management and Secretarial Practices, Animation, Textile Designing and Apparel Technology, Nutrition, Exercise and Health, Beauty & Wellness) for the session 2024-25 under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment.	The syllabus and course outcomes of Environmental Studies of Semester IV for B. Voc. (Retail Management, Management and Secretarial Practices, Animation, Textile Designing and Apparel Technology, Nutrition, Exercise and Health, Beauty & Wellness) under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2024-25. This subject will have 2 credits in semester IV. It was decided to add 20% internal assessment under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2024-25. The content of the syllabus was approved without any changes.	The approved syllabus is executed
Item: ZOO: 2019: 16	To discuss and approve the list of proposed examiners for above stated courses.	The chairperson discussed the Examiners and Evaluators for above stated courses with the members	List of Examiners was sent to COE Office.
Item: ZOO: 2019: 17	To discuss and approve the ordinances of Bachelor of Science (Medical Laboratory Technology)	The ordinance of Bachelor of Science (Medical Laboratory Technology) programme was discussed and approved by the BOS members.	The ordinance was sent to

	Technology)/ Honours programme.		COE Office.
Item: ZOO: 20 9: 18	To discuss research inputs and plans of department for session 2024-25.	Dr Archana Saini apprised the committee members about the research activities taken by department. PG Department of Zoology has highly qualified faculty comprising of five PhD and two MSc teachers. Faculty members are engaged in quality research which is evident from their publications in journals of high repute. In the session 2023-24 the faculty of Zoology has published 02 research papers in Scopus indexed / UGC approved Journals, 03 book chapters in edited books. PG dept of Zoology has high end sophisticated instruments including Trinocular microscopes, BOD Analyser, Thermal Cycler, Gel Doc, nanodrop spectrophotometer etc. Our department is supported by various grants like DBT Star Status, CPE, FIST Phase I & II and CURIE Grant by DST Govt of India. Faculty of P.G. Department of Zoology is acting as active Reviewers for reputed National and International Journals. Faculty has organised various National Conferences and Faculty Development Programs funded by different Government agencies. Our faculty regularly keep upgrading their skills by participating in various international & national Conferences, Induction and faculty development programs, Refresher courses, workshops	Faculty members are engaged in quality research as evident from their publications in high impact factor journals of International and National repute.

		& Short - term courses at various Institutes of National repute, in the session 2023-24 all the faculty members have 29 such participations. Zoology Faculty has successfully completed MOOC courses organised by NPTEL. Most of the faculty members of Zoology also undertake major projects (externally funded) / minor seed money projects (funded by college) from time to time to engage their MSc students in research work and enhance their research aptitude. Our MSc Sem IV students also take up small research projects as part of their curriculum and submit their research dissertation after successful completion of viva by external examiners. We are proud to share that our MSc students have also published research papers and book chapters under the able guidance of our faculty. The house highly appreciated the efforts done by faculty to organize different events. They also admired the research initiatives of the department like minor research projects done by students and seed money projects undertaken by the faculty.	
Item: ZOO: 20 9: 19	To discuss teaching methodologies adopted in department and inputs required to upgrade the same.	PG Department of Zoology adopt innovative teaching methodologies like ICT based teaching through Power point presentations, animations & videos, demonstrations, projects, assignments & class seminars to inculcate critical &	BOS member appreciated the innovative teaching

		creative thinking in students, Other highlights of department include student-student mentoring, regular alumni talks for peer counselling, group discussions, student mentoring by teachers, career counselling sessions & remedial classes for weak as well as bright students. The Department is well equipped with smart class rooms and e-content for better understanding of concepts. Department has well equipped laboratories and enriched departmental library. Invited Talks by luminaries are organised quite often in the department and activities like workshops, power point presentation competitions, social outreach, educational trips and environment related activities are regular feature of department aiming passion for science and overall development of students.	methodologies adopted by department.
Item: ZOO: 209: 20	To discuss the outcome of above stated courses and programs.	The chairperson discussed the outcomes for above stated courses with the members.	The members approved outcomes for above stated courses and is executed.
Item: ZOO: 209: 21	To discuss the result analysis for the session 2023-24.	The chairperson discussed the result analysis of different classes with the members and BOS members.	The BOS members appreciated the result of all classes.

The house approved the Item: ZOO: 2025: 10: 1

ZOO: 2025: 10: 2: The syllabus of **Zoology** in **Bachelor of Science (Medical)/ Honours Sem I -II** for the session 2025-26 will remain the same as the session 2024-25 under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment and has already been approved.

Proceeding: The syllabus and course outcomes of **Bachelor of Science (Medical)/ Honours Sem I -II** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for session 2025-26, was approved by the members without any change (Approved syllabus attached herewith as **Annexure A**).

The house approved the Item: ZOO: 2025: 10: 2

ZOO: 2025: 10: 3: To discuss the proposed scheme of **Zoology** in **Bachelor of Science (Medical)/ Honours Sem III -IV** under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment for the session 2025-26.

Proceedings: As per the guidelines of NEP 2020, 4 Years degree Programme **Bachelor of Science/Honours** has been introduced by KMV w.e.f. 2024-25. **Bachelor of Science/Honours (Medical)** with total 221 credits. The exit levels have been defined in the course scheme as follows:

Bachelor of Science (Medical)/ Honours		
Semester- I		
Course Type	List of Courses	Credits
Discipline Specific Courses	• Zoology (Diversity of Nonchordates-I) (Protozoa-Annelids)	4-0-0
	• Zoology (Nonchordates- I Lab)	0-0-2
	• Chemistry (Inorganic Chemistry I: Atomic Structure and Periodic Table)	4-0-0
	• Chemistry (Inorganic Chemistry-I: Lab)	0-0-2
	• Botany (Diversity of Cryptogams)	4-0-0
	• Botany (Diversity of Cryptogams Lab)	0-0-2
Compulsory Course	• Punjabi(Compulsory-I) • 1BasicPunjabi-I	4-0-0
	• 2Punjab History and Culture (From Earliest Time to C 320)	
Ability Enhancement Course	• English Language Skills-1	4-0-0
Value Added Course	• Foundation Course	2-0-0
	Total Credits	28
Semester- II		
Discipline Specific Courses	• Zoology (Diversity of Nonchordates-II) (Arthropoda-Hemichordata)	4-0-0
	• Zoology (Nonchordates- II Lab)	0-0-2
	• Chemistry (Organic Chemistry-I) (Hydrocarbons and Alkyl Halides)	4-0-0
	• Chemistry (Organic Chemistry-I Lab)	0-0-2
	• Botany (Cell Biology and Genetics)	4-0-0
	• Botany (Cell Biology and Genetics Lab)	0-0-2
Compulsory Course	• Punjabi (Compulsory-2)	4-0-0
	• 1BasicPunjabi-2	
	• 2Punjab History and Culture (C 320 to 1000 A.D.)	
Multi-Disciplinary Course	• Appreciating English Literature-1	4-0-0
Skill Enhancement Course	• Chemistry (Spectroscopic Methods)/Zoology(Medical Lab Technology)/Botany(Medicinal Botany)	2-0-1

Value Added Course	• Drug Abuse: problem, management and prevention (Compulsory)	2-0-0
	Total Credits	31
Semester- III		
Discipline Specific Courses	• Zoology (Diversity of Chordates) • Zoology (Chordates Lab) • Chemistry (Physical Chemistry-I: States of Matter and Electrochemistry) • Chemistry (Physical Chemistry-I Lab) • Botany (Diversity of Phanerogams) • Botany (Diversity of Phanerogams Lab)	4-0-0 0-0-2 4-0-0 0-0-2 4-0-0 0-0-2
Compulsory Course	• Punjabi (Compulsory-3) • ¹BasicPunjabi-3 • ²Punjab History and Culture (From 1000 to 1605 A.D.)	4-0-0
Ability Enhancement Course	• English Language Skills-2	4-0-0
Value Added Course	• Gender Sensitization	2-0-0
	Total Credits	28
Semester- IV		
Discipline Specific Courses	• Zoology (Cell Biology) • Zoology (Cell Biology Lab) • Chemistry (Inorganic Chemistry-II: Periodic table and Coordination Chemistry) • Chemistry (Inorganic Chemistry-II Lab) • Botany (Structure, Development and Reproduction in Flowering Plants) • Botany (Structure, Development and Reproduction in Flowering Plants Lab)	4-0-0 0-0-2 4-0-0 0-0-2 4-0-0 0-0-2
Compulsory Course	• Punjabi (Compulsory-4) • ¹BasicPunjabi-4	4-0-0

	• 2Punjab History and Culture (From 1605 to 1849 A.D.)	
Multi-Disciplinary Course	• Appreciating English Literature-2	4-0-0
Skill Enhancement Course	• Chemistry (Spectroscopic Methods)/ Zoology (Medical Lab Technology)/ Botany(Medicinal Botany)	2-0-1
Value Added Course	• Environmental Studies (Compulsory)	2-0-0
	Total Credits	31
Semester- V		
Discipline Specific Courses	• Zoology (Biomolecules) 4-0-0 • Zoology (Biomolecules) 0-0-2 • Chemistry (Organic Chemistry-II: Chemistry of O/N containing compounds) 4-0-0 • Chemistry (Organic Chemistry-II Lab) 0-0-2 • Botany (Plant Physiology and Biochemistry) 4-0-0 • Botany (Plant Physiology and Biochemistry Lab) 0-0-2	
Compulsory Course	• Punjabi (Compulsory-5) • 1BasicPunjabi-5 • 2Punjab History and Culture (From 1849 to 1947 A.D.)	4-0-0
Ability Enhancement Course	• English Language Skills-3	4-0-0
Value Added Course	• Personality Development	2-0-0
Internship	• Summer Internship (02 Weeks)	0-0-2
	Total Credits	30
Semester- VI		
Discipline Specific Courses	• Zoology (Animal Physiology) 4-0-0 • Zoology (Animal Physiology Lab) 0-0-2 • Chemistry (Physical Chemistry-II: Thermodynamics and Equilibrium) 4-0-0 • Chemistry (Physical Chemistry-II Lab) 0-0-2 • Botany (Ecology) 4-0-0	

	• Botany (Ecology Lab)	0-0-2
Compulsory Course	• Punjabi (Compulsory-6) • ¹BasicPunjabi-6 • ²Punjab History and Culture (From 1947 to 2000 A.D.)	4-0-0
Multi-Disciplinary Course	• Appreciating English Literature-3	4-0-0
Skill Enhancement Course	• Chemistry (Spectroscopic Methods)/Zoology (Medical Lab Technology)/Botany (Medicinal Botany)	2-0-1
Value Added Course	• Social Outreach/ Human Rights	2-0-0
	Total Credits	31
Semester- VII		
Discipline Specific Courses		
B. Sc. (Honours) Chemistry	• Physical Chemistry-III: Chemical kinetics	3-0-0
	• Organic Chemistry-IV: Structure-reactivity relationship	3-0-0
	• Inorganic Chemistry-III: Organometallics	3-0-0
	• Physical Chemistry-IV: Thermodynamics of biopolymer solution	3-0-0
	• Organic Chemistry-III: Lab Preparations-II	0-0-2
	• Physical Chemistry-III: Lab	0-0-2
B.Sc. (Honours) Botany	• Phycology	4-0-0
	• Phycology Lab	0-0-1
	• Fungi and Plant Pathology	4-0-0
	• Fungi and Plant Pathology Lab	0-0-1
	• Bryology	4-0-0
	• Bryology Lab	0-0-1
	• Pteridology	4-0-0
	• Pteridology Lab	0-0-1
B.Sc. (Honours) Zoology	• Functional Organisation of Animals- I	3-0-0
	• Functional Organisation of Animals- I Lab	0-0-1
	• Biochemistry	3-0-0

	Biochemistry Lab	0-0-1
	Developmental Biology	3-0-0
	Developmental Biology Lab	0-0-1
	Genetics	3-0-0
	Genetics Lab	0-0-1
Minor		
B. Sc. (Honours) Chemistry	Synthesis and characterization of materials	4-0-0
B. Sc. (Honours) Botany	Genetics and Evolution	3-0-0
	Genetics and Evolution Lab	0-0-1
B. Sc. (Honours) Zoology	Ecology	3-0-0
	Ecology Lab	0-0-1
Internship	Summer Internship/ Community Outreach/ Field Study	0-0-2
	Total Credits	22
Semester- VIII		
Discipline Specific Courses		
B. Sc. (Honours) Chemistry	Inorganic Chemistry-IV: Cluster and cage compounds	4-0-0
	Organic Chemistry-V: Organic synthesis-I	4-0-0
	Inorganic Chemistry-V: Nuclear chemistry	3-0-0
	Physical Chemistry-V: Electroanalytical techniques	3-0-0
	Inorganic Chemistry-III: Lab	0-0-2
B. Sc. (Honours) Botany	Diversity and Biology of Gymnosperms	4-0-1
	Diversity and Biology of Gymnosperms Lab	0-0-1
	Diversity and Biology of Angiosperms	4-0-1
	Diversity and Biology of Angiosperms Lab	0-0-1
	Plant Breeding	4-0-1
	Plant Breeding Lab	0-0-1
	Plant Metabolism	4-0-1
	Plant Metabolism Lab	0-0-1
B. Sc. (Honours) Zoology	Functional Organisation of Animals- II	3-0-0
	Functional Organisation of Animals- II Lab	0-0-1

	• Economic Entomology • Economic Entomology Lab • Applied Zoology (Non Chordates) • Applied Zoology (Non Chordates) Lab • Evolution • Evolution Lab	3-0-0 0-0-1 3-0-0 0-0-1 3-0-0 0-0-1
Minor		
B.Sc. (Honours) Chemistry	• Atomic and Molecular Spectroscopy	4-0-0
B.Sc. (Honours) Botany	• Applied Botany • Applied Botany Lab	3-0-0 0-0-1
B.Sc. (Honours) Zoology	• Medical Zoology • Medical Zoology Lab	3-0-0 0-0-1
	Total Credits	20

Exit Option 1: NHEQF Level 7: After successful completion of 3 years (6 semesters)

Exit Option 2: NHEQF Level 8: After successful completion of 4 years (8 semesters)

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULLUM OF EXAMINATIONS OF FOUR YEAR DEGREE PROGRAM

Bachelor of Science (Medical)/Honours

Session 2025-2026

Bachelor of Science (Medical) Semester III								
Course Code	Course Name	Course Type	Credits	Total Marks	Ext.		CA	Examination Time (in Hours)
					L	P		
BSML-3421 BSML-3031 BSML-3431	Punjabi (Compulsory-3) ¹ Basic Punjabi-3 ² Punjab History and Culture (From 1000 to 1605 A.D.)	C	4-0-0	100	70	-	30	3
BSML-3212	English Language Skills-1	AEC	4-0-0	100	70		30	3
BSML-3483	Zoology (Diversity of Chordates- I)	DSC	4-0-0	100	70		30	3
BSMP-3483	Zoology (Chordates- I Lab)		0-0-2	50	--	35	15	3
BSML-3084	Chemistry (Physical Chemistry-I)	DSC	4-0-0	100	70		30	3

BSMP-3084	Chemistry (Physical Chemistry-I Lab)		0-0-2	50	--	35	15	3
BSML-3075	Botany (Diversity of Phanerogams)	DSC	4-0-0	100	70		30	3
BSMP-3075	Botany (Diversity of Phanerogams Lab)		0-0-2	50	--	35	15	3
VACE- 3221	* Environmental Studies (Compulsory)	VAC	1-0-1	50	20	15	15	3

¹Special paper in lieu of Punjabi (Compulsory) for those who have not studied Punjabi upto 8th-10th Class.

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

*Credits grade points of these courses will not be added in SGPA/CGPA of the semester Program and only grades will be provided.

C-Compulsory

AEC- Ability Enhancement Compulsory Course

DSC- Discipline Specific Course

VAC- Value Added Course

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULLUM OF EXAMINATIONS OF FOUR YEAR DEGREE PROGRAM **Bachelor of Science (Medical)/Honours** Session 2025-2026

Bachelor of Science (Medical) Semester IV								
Course Code	Course Name	Course Type	Credits	Total Marks	Ext.		CA	Examination Time (in Hours)
					L	P		
BSML-4421 BSML-4031 BSML-4431	Punjabi (Compulsory-4) ¹ Basic Punjabi-4 ² Punjab History and Culture (From 1605 to 1849 A.D.)	C	4-0-0	100	70	-	30	3
BSML-4212	English Language And Literature-1	MD C	4-0-0	100	70	-	30	3
BSML- 4483	Zoology (Cell Biology)	DS C	4-0-0	100	70	-	30	3
BSMP-4483	Zoology (Cell Biology Lab)		0-0-2	50	-	35	15	3
BSML-4084	Chemistry (Inorganic Chemistry-II)		4-0-0	100	70	-	30	3

BSMP-4084	Chemistry (Inorganic Chemistry-II Lab)	DS C	2-0-0	50	-	35	15	3
BSML-4075	Botany (Structure, Development and Reproduction in Flowering Plants)	DS C	4-0-0	100	70	-	30	3
BSMP-4075	Botany (Structure, Development and Reproduction in Flowering Plants Lab)		0-0-2	50	-	35	15	3
BSMM-4080/ BSMM -4480/ BSMM -4070	Chemistry(Spectroscopic Methods)/Zoology(Medical Lab Technology)/Botany(Medicinal Botany)	SEC	2-0-1	50	25	10	15	3+3
*VACG-3531	Gender Sensitization	VA C	2-0-0	50	35		15	1

¹Special paper in lieu of Punjabi (Compulsory) for those who have not studied Punjabi upto 8th-10th Class.

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

*Credits grade points of these courses will not be added in SGPA/CGPA of the semester Program and only grades will be provided.

** Student can opt any one of the given courses.

C-Compulsory

MDC- Multidisciplinary Course

DSC- Discipline Specific Course

SEC- Skill Enhancement Course

VAC- Value Added Course

The house approved the Item: ZOO: 2025: 10: 3

ZOO: 2025: 10: 3: To discuss the proposed scheme of **Zoology** in **Bachelor of Science (Medical)/**

Honours Sem III -IV under Credit Based Continuous Evaluation Grading System (CBCEGS)

as per NEP 2020 with 30% internal assessment for the session 2025-26.

Proceedings: As per the guidelines of NEP-2020, 4-year Bachelor of Science (Medical)/ Honours has been introduced w.e.f. the session 2024-25. In Bachelor of Science (Medical)/ Honours semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, Zoology subject will have 6 credits in semester III and IV. It was decided

to add 30% internal assessment in all papers of Bachelor of Science (Medical)/ Honours Semester III and IV as approved by Academic Council meeting held on 24-8-2024. The following points were highlighted, discussed and approved.

- 1) Discipline specific courses (DSC) of Zoology in Bachelor of Science (Medical)/ Honours Semester III and IV, will have 6 credits per Semester for session 2025-26.
- 2) Skill Enhance Course (SEC-I) will be offered in Semester IV and will have 3 credits.
- 3) The course scheme with credits is as follows:

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)

SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEAR UNDER GRADUATE DEGREE PROGRAMME

Session-2025-26

Bachelor of Science (Medical)/ Honours Semester -III										
Course Name	Paper	Course Code	Course Type	Credits L-T-P	Hours per week L-T-P	Total Marks	Marks			Exam Time in Hrs
							L	P	CA	
Zoology	Diversity of Chordates	BSML-3483	DSC	4-0-0	4-0-0	100	70	-	30	3
	Chordates Lab	BSMP-3483	DSC	0-0-2	0-0-4	50	-	35	15	3
Bachelor of Science (Medical)/ Honours Semester -IV										
Zoology	Cell Biology	BSML-4483	DSC	4-0-0	4-0-0	100	70	-	30	3
	Cell Biology Lab	BSMP-4483	DSC	0-0-2	0-0-4	50	-	35	15	3
Zoology	Medical Lab Technology	BSMM-4480	SEC	2-0-1	2-0-2	100	50	20	30	3+3

The BOS members discussed and approved detailed syllabus for 4-year Bachelor of Science (Medical)/ Honours Semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26.

(Approved syllabus attached herewith as Annexure B).

The house approved the Item: ZOO: 2025: 10: 3

ZOO: 2025: 10: 4: To discuss the proposed syllabus of Zoology in **Bachelor of Science (Medical)** **Sem V -VI** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26.

Proceedings: The house discussed and approved the following:

- 1. In Bachelor of Science (Medical)** Semester V to VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, **Zoology** subject will have 7 credits in each semester. It was decided to add 20% internal assessment in all papers of **Bachelor of Science (Medical)** Semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26.
- 2.** The content of the syllabus was approved without any changes.
- 3.** The course scheme approved for B. Sc. (Medical) Sem V-VI under Credit Based Continuous Evaluation Grading System for the session 2025-26 is as follows:

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATIONS OF YEAR DEGREE PROGRAM
Session-2025-26

Bachelor of Science (Medical) Semester -V										
Course Name	Program Name	Course Code	Course Type	Total Marks	Marks					
					Paper	Credits	Ext.			
						L-T-P	L	P	CA	EXAM TIME In Hrs
Zoology	Bachelor of Science (Medical)	BSMM-5483 (I)	C	75	Developmental Biology	3-0-0	60	-	15	3
		BSMM- 5483 (II)		50	Genetics	2-0-0	40	-	10	3
		BSMM- 5483 (P)		50	PRACTICAL– V (Related to Developmental Biology and Genetics)	0-0-2	-	40	10	3
Bachelor of Science (Medical) Semester -VI										
Zoology	Bachelor of Science (Medical)	BSMM-6483 (I)	C	75	Medical Zoology	3-0-0	60	-	15	3
		BSMM- 6483 (II)		50	Medical Laboratory Technology	2-0-0	40	-	10	3
		BSMM- 6483 (P)		50	PRACTICAL-VI (Related to Medical Zoology & Medical Laboratory Technology)	0-0-2	-	40	10	3

(Approved syllabus attached herewith as Annexure C).

The house approved the Item: ZOO: 2025: 10: 4

ZOO: 2025: 10: 5: The syllabus of **Bachelor of Science (Medical Laboratory Technology) Honours Sem I -II** for the session 2025-26 will remain the same as the session 2024-25 under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment and has already been approved.

Proceedings: The syllabus and course outcomes of **Bachelor of Science (Medical Laboratory Technology) Honours Sem I -II** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for session 2025-26, was approved by the members without any change (Approved syllabus attached herewith as **Annexure D**).
The house approved the Item: ZOO: 2025: 10: 5

ZOO: 2025:10: 6: To discuss the proposed scheme and syllabus of **Bachelor of Science (Medical Laboratory Technology) Honours Sem III -IV** under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP with 30% internal assessment for the session 2025-26.

Proceedings: Chairperson Dr. Archana Saini discussed the syllabus of **Bachelor of Science (Honours) Medical Laboratory Technology** Semester III to IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26. The following points were highlighted and discussed:

1. **In Bachelor of Science (Honours) Medical Laboratory Technology** Semester III to IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, will have 25 credits in each semester. It was decided to add 30% internal assessment in all papers of **Bachelor of Science (Honours) Medical Laboratory Technology** Semester III and IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26.
2. The content of the syllabus was approved without any changes.
3. The course scheme approved for B. Sc. (Medical) Sem III-IV under Credit Based Continuous Evaluation Grading System for the session 2025-26 is as follows:

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)

SCHEME AND CURRICULUM OF EXAMINATIONS OF YEAR DEGREE PROGRAM

Session-2025-26

Bachelor of Science (Honours) (Medical Laboratory Technology) (Semester -III)											
Course Code	Course Title	Cours e Type	Total Credits (L-T- P)	Credit Hours			Total Mark s	Marks			Exam Time in Hrs
				L	T	P		L	P	CA	
BMLL-3481	Hematology- II	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-3481	Hematology- II Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLL- 3482	Pathology- I	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-3482	Pathology-I Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLL-3483	Clinical Biochemistry-I	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-3483	Clinical Biochemistry-I Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLL-3064	Introduction to Bacteriology and Virology	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-3064	Introduction to Bacteriology and Virology Lab	DSC	0-0-1	-	-	2	50	-	35	15	3
BMLL-3065	Basics of Microbiology-I	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-3065	Basics of Microbiology-I Lab	DSC	0-0-1	-	-	2	50	-	35	15	3
VACE- 3221	*Environmental Studies (Compulsory)	VAC	1-0-1	1	-	2	50	25	10	15	3
	Total Credits		25	Total marks			800				

*Credits of these papers will not be added in SGPA/CGPA and only grades will be provided.

DSC- Discipline Specific Course

VAC- Value Added Course

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)

SCHEME AND CURRICULUM OF EXAMINATIONS OF YEAR DEGREE PROGRAM

Session-2025-26

Bachelor of Science (Honours) (Medical Laboratory Technology) (Semester -IV)											
Course Code	Course Title	Course Type	Total Credits (L-T-P)	Credit Hours			Total Marks	Marks			Exam Time in Hrs
				L	T	P		L	P	CA	
BMLL-4481	Hematology-III	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-4481	Hematology-III Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLL-4482	Pathology-II	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-4482	Pathology-II Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLL-4483	Clinical Biochemistry-II	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-4483	Clinical Biochemistry-II Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLL-4064	Basics of Microbiology-II	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-4064	Basics of Microbiology-II Lab	DSC	0-0-1	-	-	2	50	-	35	15	3
BMLL-4485	Immunology-I	MDC-I	3-0-0	3	-	-	100	70	-	30	3
BMLP-4485	Immunology-I Lab	MDC-I	0-0-1	-	-	2	50	-	35	15	3
VACG-4531	*Gender Sensitization	VAC	1-0-1	1	-	2	50	35	-	15	1
Total Credits			25	Total marks			800				

*Credits of these papers will not be added in SGPA/CGPA and only grades will be provided.

DSC- Discipline Specific Course

VAC- Value Added Course

MDC- Multi Disciplinary Course

(Approved syllabus attached herewith as Annexure E).

The house approved the Item: ZOO: 2025: 10: 6

ZOO: 2025: 10: 7: The syllabus of **Master of Science (Zoology) Sem I - II** for the session 2025-26 will remain the same as the session 2024-25 under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment and has already been approved.

Proceedings: The syllabus and course outcomes of **Master of Science (Zoology) Sem I - II** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for session 2025-26, was approved by the members without any change (Approved syllabus attached herewith as **Annexure F**).

The house approved the Item: ZOO: 2025: 10: 7

ZOO: 2025: 10: 8: To discuss the proposed syllabus of **Master of Science (Zoology) Sem III - IV** under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment for the session 2025-26.

Proceedings: The syllabus and course outcomes of **M. Sc. (Zoology) Sem III -IV** under Credit Based Continuous Evaluation Grading System (CBCEGS) was approved by the members. It was decided to add 30% internal assessment in all papers of Master of Science (Zoology) Semester III and IV as approved by Academic Council meeting held on 24-8-2024. (**Approved syllabus attached herewith as Annexure G**).

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO-YEAR DEGREE PROGRAMME (Under Credit Based Continuous Evaluation Grading System) (CBCEGS) Session-2025-26

Master of Science (Zoology) Semester-III										
Course Code	Course Name	Course Type	Hours Per Week	Credits	Total Credits	Marks				Examination time (in hours)
				L-T-P		Ext.		CA	Total	
						L	P			
MZOL-3481	Research Techniques and Methodology	C	4	4-0-0	4	70	-	30	100	3
MZOL-3482	Developmental Biology-I	C	4	4-0-0	4	70	-	30	100	3
MZOL-3483	General Biochemistry	C	4	4-0-0	4	70	-	30	100	3

MZOL-3484	Applied Zoology-II (Vertebrates)	C	4	4-0-0	4	70	-	30	100	3
MZOP-3485	Practical –V (Research Techniques and Applied Zoology-II)	C	4	0-0-2	2	-	35	15	50	3
MZOP-3486	Practical VI (Developmental Biology and Biochemistry)	C	4	0-0-2	2	-	35	15	50	3
Students can opt any one of the following interdisciplinary compulsory courses. The ID Course opted in SEM-I cannot be opted in SEM – III.		IDE			4	70		30	100	
Total					20				500	
IDEC - 3101 IDEM -3362 IDEH -3313 IDEI - 3124 IDEW-3275		• Communication Skills • Basic Music (Vocal) • Human Rights and Constitutional Duties • Basics of Computer Applications • Indian heritage: Contribution to the World								

IDE – Inter Disciplinary Elective/Optional Course

*** Credits/Grade points of these courses will not be included in the SGPA/CGPA of semester.**

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO-YEAR DEGREE
PROGRAMME

(Under Credit Based Continuous Evaluation Grading System) (CBCEGS)

Session-2025-26

Master of Science (Zoology)Semester-IV										
Course Code	Course Name	Course Type	Hours Per Week	Credit	Total Credit	Marks				Examination time (in hours)
				L-T-P		Ext.		CA	Total	
						L	P			

MZOL-4481	Animal Behaviour and Wildlife Conservation	C	4	4-0-0	4	70	-	30	100	3
MZOL-4482	Molecular Genetics	C	4	4-0-0	4	70	-	30	100	3
MZOL-4483	Concepts of Immunology	C	4	4-0-0	4	70	-	30	100	3
MZOL-4484	Developmental Biology- II	C	4	4-0-0	4	70	-	30	100	3
MZOL-4485	Biosystematics	C	4	4-0-0	4	70	-	30	100	3
MZOP-4486	Practical–VII (Animal Behaviour and Wildlife Conservation)	C	4	0-0-2	2	-	35	15	50	3
MZOP-4487	Practical–VIII (Genetics and Biosystematics)	C	4	0-0-2	2	-	35	15	50	3
MZOD-4488	Project	C	4	0-0-2	2	-	35	15	50	3
Total					26			650		

(Approved syllabus attached herewith as Annexure G)

The house approved the Item: ZOO: 2025: 10: 8

ZOO: 2025: 10: 9: The syllabus of paper **Biology for Chemists** of **Sem II** for class **Master of Science Chemistry** for the session 2025-26 will remain the same as the session 2024-25 under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment and has already been approved.

Proceedings: The syllabus of **Biology for Chemists** for Class **Master of Science (Chemistry) Semester II** under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment for session 2025-26, was approved by the members without any change (Approved syllabus attached herewith as Annexure H).

The house approved the Item: ZOO: 2025: 10: 9

ZOO: 2025: 10: 10: The syllabus of **Cell Biology** for Class **Bachelor of Science (Biotechnology)/ Honours Semester II** for the session 2025-26 will remain the same as the session 2024-25 under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment and has already been approved.

Proceedings: The syllabus of **Cell Biology** for Class **Bachelor of Science (Biotechnology)/ Honours Semester II** under Credit Based Continuous Evaluation Grading System (CBCEGS) as

per NEP 2020 with 30% internal assessment for session 2025-26, was approved by the members without any change (Approved syllabus attached herewith as Annexure I).

The house approved the Item: ZOO: 2025: 10: 10

ZOO: 2025: 10: 11: To discuss the proposed syllabus of **Zoology-I** for Class **Bachelor of Science (Biotechnology) Semester III** under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment for the session 2025-26.

Proceedings: As per the guidelines of NEP-2020, 4-year Bachelor of Science (Honours) Biotechnology has been introduced w.e.f. the session 2024-25. In Bachelor of Science (Honours) Biotechnology semester III under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, Discipline Specific Course **Zoology- I** will have 5 credits. It was decided to add 30% internal assessment in paper Zoology-I for Class Bachelor of Science (Biotechnology) Honours Semester III as approved by Academic Council meeting held on 24-8-2024. The following points were highlighted, discussed and approved. The course scheme with credits is as follows:

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)

**SCHEME AND CURRICULUM OF EXAMINATION OF FOUR YEAR UNDER
GRADUATE DEGREE PROGRAMME**

Session-2025-26

Bachelor of Science (Honours) Biotechnology Semester -III									
Course Code	Course Title	Course Type	Paper Credits L-T-P	Hours per week L-T-P	Total Marks	Marks			Exam Time in Hrs
						L	P	CA	
BBTM-3483	Zoology-I	DSC	4-0-1	4-0-2	100	50	20	30	3+3

(Approved syllabus attached herewith as Annexure J).

The house approved the Item: ZOO: 2025: 10: 11

ZOO: 2025: 10: 12: To discuss the proposed syllabus of **Applied Zoology and Food Microbiology** for Class **Bachelor of Science (Home Science) Semester VI** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26.

Proceedings: The house discussed and approved the following:

1. In **Bachelor of Science (Home Science) Semester VI** under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26, **Applied Zoology and Food Microbiology** subject will have 4 credits. It was decided to add 20% internal assessment.
2. The content of the syllabus was approved without any changes.
3. The course scheme approved for **Bachelor of Science (Home Science) Semester VI** under Credit Based Continuous Evaluation Grading System for the session 2025-26 is as follows:

KANYA MAHA VIDYALAYA JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE YEAR DEGREE
PROGRAM

Session-2025-26

Bachelor of Science (Home Science) Semester -VI										
Course Name	Program Name	Course Code	Course Type	Total Marks	Marks				CA	EXA M TIME In Hrs
					Paper	Credits	Ext.			
						L-T-P	L	P		
Zoology	Bachelor of Science (Home Science)	BHSM-6487	C	100	Applied Zoology and Food Microbiology	4-0-0	80	20	20	3

(Approved syllabus attached herewith as Annexure K)

The house approved the Item: ZOO: 2025: 10: 12

ZOO: 2025: 10: 13: To discuss the proposed syllabus of paper of **Environmental Studies** of Semester III **Bachelor of Science (Medical) / Bachelor of Science (Non -Medical) / Bachelor of Science (Computer Science) / Bachelor of Commerce / Bachelor of Business Administration / Bachelor of Science (Home Science) / Bachelor of Computer Applications /Bachelor of Science (Information Technology) / Bachelor of Science (Biotechnology)/ Master of Commerce (Five Year Integrated Programme) / Bachelor of Science (Economics)/ Master of Science (Mathematics) (Five Year Integrated Programme)/Bachelor of Business(Airlines and Airport Management)/Bachelor of Science(Medical Laboratory Technology)/Master of Science(Physics) FYIP(Five Year Integrated Programme).**

SEMESTER IV Bachelor of Vocation (Retail Management)/Bachelor of Vocation (Animation)/Bachelor of Vocation (Nutrition & Dietician)/ Bachelor of Vocation (Beauty & Wellness)/ Bachelor of Vocation (Artificial Intelligence and Data Science)/ Bachelor of Vocation (Hospitality and Tourism)/Bachelor of Science (Fashion Designing)/Bachelor of Arts/Bachelor of Arts (Journalism& Mass Communication)/ Master of Arts (English) FYIP (Five Year Integrated Programme).

Proceedings: The house discussed and approved the following:

1. The syllabus and course outcomes of **Environmental Studies** of Semester III **Bachelor of Science (Medical) / Bachelor of Science (Non -Medical) / Bachelor of Science (Computer Science) / Bachelor of Commerce / Bachelor of Business Administration / Bachelor of Science (Home Science) / Bachelor of Computer Applications /Bachelor of Science (Information Technology) / Bachelor of Science (Biotechnology)/ Master of Commerce (Five Year Integrated Programme) / Bachelor of Science (Economics)/ Master of Science (Mathematics) (Five Year Integrated Programme)/Bachelor of Business(Airlines and Airport Management)/Bachelor of Science(Medical Laboratory Technology)/Master of Science(Physics) FYIP(Five Year Integrated Programme).**

SEMESTER IV Bachelor of Vocation (Retail Management)/Bachelor of Vocation (Animation)/Bachelor of Vocation (Nutrition & Dietician)/ Bachelor of Vocation (Beauty & Wellness)/ Bachelor of Vocation (Artificial Intelligence and Data Science)/ Bachelor of Vocation (Hospitality and Tourism)/Bachelor of Science (Fashion Designing)/Bachelor of Arts/Bachelor of Arts (Journalism& Mass Communication)/ Master of Arts (English) FYIP (Five Year Integrated Programme) under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26 will have 2 credits in semester III/ IV. It was decided to add 30% internal assessment under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2025-26.

2. The content of the syllabus was approved without any changes.
3. The course scheme approved for SEMESTER III of **Bachelor of Science (Medical) / Bachelor of Science (Non -Medical) / Bachelor of Science (Computer Science) / Bachelor of Commerce / Bachelor of Business Administration / Bachelor of Science (Home Science) / Bachelor of Computer Applications /Bachelor of Science (Information Technology) / Bachelor of Science (Biotechnology)/ Master of Commerce (Five Year Integrated Programme) / Bachelor of Science (Economics)/ Master of Science (Mathematics) (Five Year Integrated Programme)/Bachelor of Business(Airlines and Airport Management)/Bachelor of Science(Medical Laboratory Technology)/Master of Science(Physics) FYIP(Five Year Integrated Programme).**

SEMESTER IV OF Bachelor of Vocation (Retail Management)/Bachelor of Vocation (Animation)/Bachelor of Vocation (Nutrition & Dietician)/ Bachelor of Vocation (Beauty & Wellness)/ Bachelor of Vocation (Artificial Intelligence and Data Science)/ Bachelor of Vocation (Hospitality and Tourism)/Bachelor of Science (Fashion Designing)/Bachelor of Arts/Bachelor of Arts (Journalism& Mass Communication)/ Master of Arts (English) FYIP (Five Year Integrated Programme).

4. Sem III/ IV under Credit Based Continuous Evaluation Grading System for the session 2025-26 is as follows:

Kanya Maha Vidyalaya Jalandhar (Autonomous)
Scheme and Curriculum of Examinations of three year degree programs
Environmental Studies (Compulsory Paper)
(Session 2025-26)

Bachelor of Science (Medical) / Bachelor of Science (Non -Medical) / Bachelor of Science (Computer Science) / Bachelor of Commerce / Bachelor of Business Administration / Bachelor of Science (Home Science) / Bachelor of Computer Applications /Bachelor of Science (Information Technology) / Bachelor of Science (Biotechnology)/ Master of Commerce (Five Year Integrated Programme) / Bachelor of Science (Economics)/ Master of Science (Mathematics) (Five Year Integrated Programme)/Bachelor of Business(Airlines and Airport Management)/Bachelor of Science(Medical Laboratory Technology)/Master of Science(Physics) FYIP(Five Year Integrated Programme)

Semester III

Course code	Course title	Course Type	Total Credit	Credit L-T-P	Hours/ Week L-T-P	Marks				Examination Time (Hours)
						Total	Ext.		CA	
							Theo ry	Practi cal		
VACE-3221	*Environmental Studies	VAC	2	1-0-1	1-0-2	50	20	15	15	3

***VAC- Value Added Course**

Kanya Maha Vidyalaya Jalandhar (Autonomous)
Scheme and Curriculum of Examinations of three year degree programs
Environmental Studies (Compulsory Paper)
(Session 2025-26)

Bachelor of Vocation (Retail Management)/Bachelor of Vocation (Animation)/Bachelor of Vocation (Nutrition & Dietician)/ Bachelor of Vocation (Beauty & Wellness)/ Bachelor of Vocation (Artificial Intelligence and Data Science)/ Bachelor of Vocation (Hospitality and Tourism)/Bachelor of Science (Fashion Designing)/Bachelor of Arts/Bachelor of Arts (Journalism& Mass Communication)/ Master of Arts (English) FYIP (Five Year Integrated Programme)

Semester= IV

Course code	Course title	Course Type	Total Credit	Credit L-T-P	Hours/ Week L-T-P	Marks				Examination Time (Hours)
						Total	Ext.		CA	
							Theo ry	Practi cal		
VACE-4221	*Environment al Studies	VAC	2	1-0-1	1-0-2	50	20	15	15	3

***VAC- Value Added Course**

(Approved syllabus attached herewith as Annexure L)

The house approved the Item: ZOO: 2025: 10: 13

ZOO: 2025: 10: 14: To discuss and approve the list of proposed examiners for above stated courses.

Proceedings: The chairperson discussed the Examiners and Evaluators for above stated courses with the members (**Lists attached herewith in Annexures along with syllabus**).

The house approved the Item: ZOO: 2025: 10: 14

ZOO: 2025: 10: 15: To discuss research inputs and plans of department for session 2025-26.

Proceedings: Dr Archana Saini apprised the committee members about the research activities taken by department. PG Department of Zoology has highly qualified faculty comprising of **06** PhD and **01** MSc teachers. Faculty members are engaged in quality research which is evident from their publications in journals of high repute. In the session 2024-25 the faculty of Zoology has published **01** research papers in scopus indexed Journal and presented **03** Research papers in International conferences and **03** papers in national seminars. PG Dept of Zoology is supported by various grants like DBT Star Status, CPE, FIST Phase I & II and CURIE Grant by DST Govt of India. Faculty of P.G. Department of Zoology is acting as active Reviewers for reputed National and International Journals. Zoology faculty regularly keep upgrading their skills by participating in various conferences, faculty development programs, refresher courses & workshops at various institutes of national repute, in the session 2024-25 all the faculty members have **17** such participations. MSc students in research work and enhance their research aptitude. Our MSc Sem IV students also take up small research projects as part of their curriculum and submit their research dissertation after successful completion of viva by external examiners. This year **05** of our MSc Sem IV students have successfully completed 01 month internship programs at research institutes of national repute. We are proud to share that one of our MSc student, Ms Lipsa has qualified CSIR-JRF/NET and another MSc student Ms Swati has qualified GATE exam. One of our BSc Medical Sem VI student Ms Lakshita has qualified Masters IIT-JAM exam.

The house highly appreciated the efforts done by faculty to organize different events. They also admired the research initiatives of the department like minor research projects done by students and seed money projects undertaken by the faculty.

The house approved the Item: ZOO: 2025: 10: 15

ZOO: 2025: 10: 16: To discuss teaching methodologies adopted in department and inputs required to upgrade the same.

Proceedings: Dr Archana Saini apprised the committee members about the research activities taken by department. PG Department of Zoology adopt innovative teaching methodologies like ICT based teaching through Power point presentations, animations & videos, demonstrations, projects, assignments & class seminars to inculcate critical & creative thinking in students. Other highlights of department include student- student mentoring, regular alumni talks for peer counselling, group discussions, student mentoring by teachers, career counselling sessions & remedial classes for weak as well as bright students. The Department is well equipped with smart class rooms and e-content for better understanding of concepts. Department has well equipped laboratories and enriched departmental library. Invited Talks by luminaries are organised quite often in the department. This year department organized **08** invited talks out of which **01** was International talk by Dr Manoj Khushwaha from Baylor College of Medicine Houston, USA. Various Departmental activities like workshops, power point presentation competitions, social outreach, educational trips and environment related activities are also a regular feature of department. In the session 2024-25, **17** such activities were organised aiming passion for science and overall development of students.

The house approved the (Item: ZOO: 2025: 10: 16) teaching methodologies and various activities held in the department to enhance teaching learning process.

ZOO: 2025: 10: 17: To discuss the outcome of above stated courses and programs.

Proceedings: The chairperson discussed the outcomes for above stated courses with the **(Lists attached herewith in Annexures along with syllabus).**

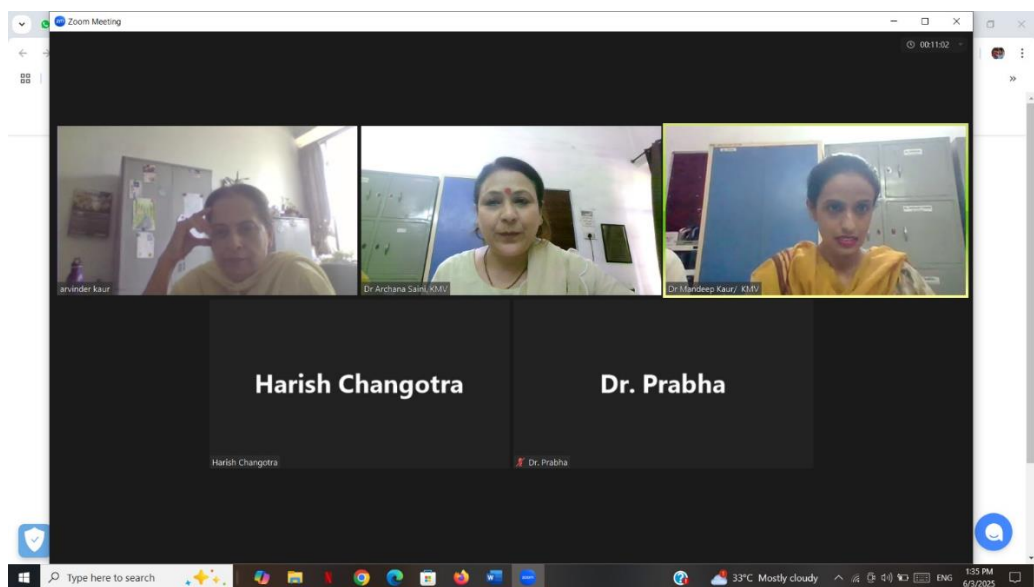
The house approved the Item: ZOO: 2025: 10: 17

ZOO: 2025: 10: 18: To discuss the result analysis for the session 2024-25.

Proceedings: The chairperson discussed the result analysis of different classes with the members and BOS members appreciated the result of all classes. **(Lists attached herewith as Annexure M).**

The house approved the Item: ZOO: 2025: 10: 18

Screenshots of BOS meeting held on 3-6-2025



Recording This meeting is being recorded. OK Leave meeting 00:18:30

Bachelor of Science (Medical)/ Honours Semester -III										
Course Name	Paper	Course Code	Course Type	Credits L-T-P	Hours per week L-T-P	Total Marks	Marks			Exam Time in Hrs
							L	P	CA	
Zoology	Diversity of Chordates	BSML- 3483	DSC	4-0-0	4-0-0	100	70	-	30	3
	Chordates Lab	BSMP-3483	DSC	0-0-2	0-0-4	50	-	35	15	3
Bachelor of Science (Medical)/ Honours Semester -IV										
Zoology	Cell Biology	BSML- 4483	DSC	4-0-0	4-0-0	100	70	-	30	3
	Cell Biology Lab	BSMP- 4483	DSC	0-0-2	0-0-4	50	-	35	15	3
Zoology	Medical Lab Technology/ Aquaculture/ Vermitechnology/ Apiculture	BSMM-4480	SEC	2-0-1	2-0-2	100	50	20	30	3+3

arvinder kaur
Dr. Archana Saini, KMV
Dr. Mandeep Kaur, KMV
Dr. Prabha
Dr. Prabha
Harish Changotra
Harish Changotra

Recording This meeting is being recorded. OK Leave meeting 00:15:55

Bachelor of Science (Medical) Semester -V										
Course Name	Program Name	Course Code	Course Type	Total Marks	Paper	Credits		Ext.		EXAM TIME In Hrs
						L-T-P	L	P	CA	
Zoology	Bachelor of Science (Medical)	BSMM-5483 (I)	C	75	Developmental Biology	3-0-0	60	-	15	3
		BSMM- 5483 (II)		Genetics	2-0-0	40	-	10	3	
		BSMM- 5483 (P)		PRACTICAL-V (Related to Developmental Biology and Genetics)	0-0-2	-	40	10	3	
Bachelor of Science (Medical) Semester -VI										
Zoology	Bachelor of Science (Medical)	BSMM-6483 (I)	C	75	Medical Zoology	3-0-0	60	-	15	3
		BSMM- 6483 (II)		Medical Laboratory Technology	2-0-0	40	-	10	3	
		BSMM- 6483 (P)		PRACTICAL-VI (Related to Medical Zoology & Medical Laboratory Technology)	0-0-2	-	40	10	3	

Dr. Prabha
Dr. Prabha
Harish Changotra
Harish Changotra
Chander Parkash

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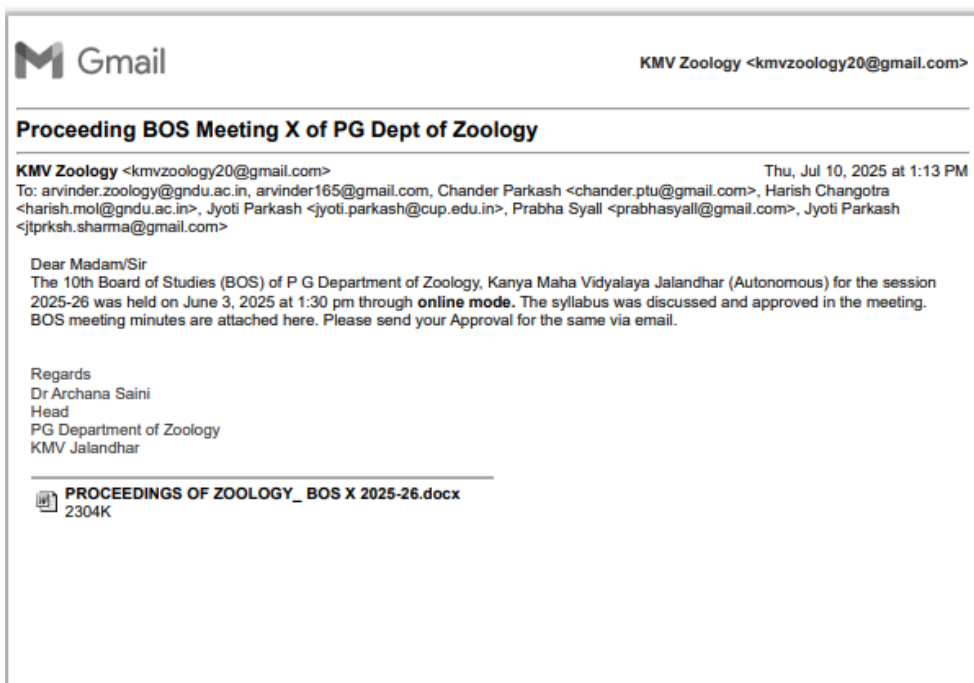
ZOO: 2025: 10: 13:

To discuss the proposed Scheme and syllabus of paper of
Environmental Studies

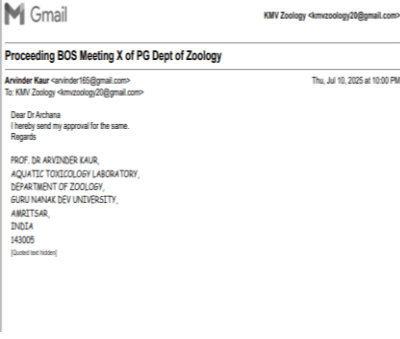
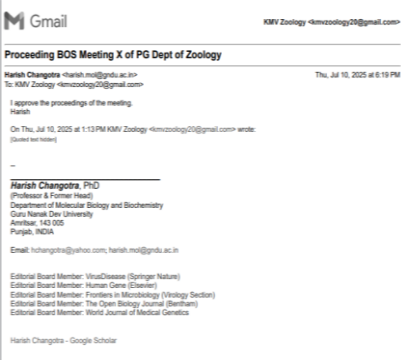
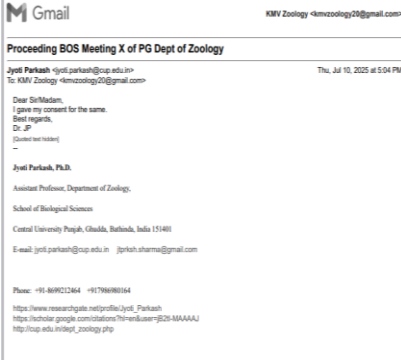
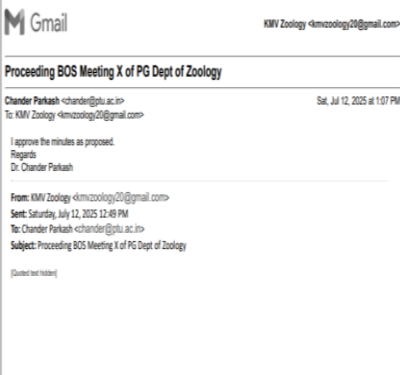
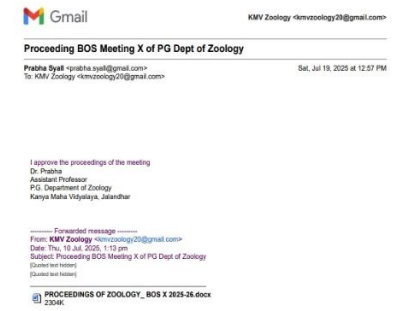
**B.Sc. (Medical, Non-Medical, Biotechnology, Computer Science, Home Science)/ B. Com. (Regular, Hons),
B. Sc. (Hons) Mathematics)/ BBA/ BCA, B.A. / B.A. (Journalism and Mass Communication) / B. Sc.
(Fashion Designing)/B.A (Hons.) English, B. Voc. (Retail Management, Management and Secretarial
Practices, Animation, Textile Designing and Apparel Technology, Nutrition, Exercise and Health, Beauty &
Wellness)
Sem III/ IV**

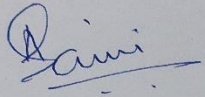
Under Credit Based Continuous Evaluation Grading System (CBCEGS)
As Per NEP with 30% Internal Assessment for the
Session 2025-26

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Approval Emails (Screenshot)

 Dr. Arvinder Kaur (VC Nominee)	 Dr. Harish Changotra (Special Invitee)	 Dr Jyoti Parkash (Outside GNDU Nominee)
 Dr. Chander Prakash (Outside GNDU Nominee)	Absent Mr Jaswant Singh Tiwana (Industry Partner)	 Dr Prabha (Alumni)



Dr Archana Saini
(Head of Department, KMV)



Dr Mandeep Kaur
(Assistant Professor, KMV)