

Kanya Maha Vidyalaya, Jalandhar

(An Autonomous College)



Minutes of 11th Meeting of Board of Studies

PG Department of Zoology

Date: 10-7-2026

Time: 11:30 AM

Via Zoom video conferencing

KANYA MAHA VIDYALAYA, JALANDHAR
(UGC Autonomous College)
P.G. Department of Zoology
Proceedings of the Eleventh Meeting of Board of Studies
held on 10-7-2026

The Eleventh meeting of the board of studies was held in online mode via Zoom on July 10, 2026 at 11:30 am.

Date: 10-7-2026 (Friday)

Time: 11:30 AM

Venue: Online meeting via Googlemeet

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

BOS Members			
1.	Dr. Archana Saini , Assistant Professor & Head, Dept. of Zoology, KMV, Jalandhar.	Chairperson	Present
2.	Dr. Saneddeep Kaur , Professor, Department of Zoology, Guru Nanak Dev University, Amritsar.	VC Nominee	Present
3.	Dr. Harish Changotha , Professor, Department of Molecular Biology and Biochemistry, GNDU, Amritsar	Special Invitee	Present
4.	Dr Sachin S Suroshe , Principal Scientist and Project Coordinator, AICRP on Honeybees and Pollinators, Division of Entomology, ICAR- Indian Agricultural Research Institute (IARI), PUSA, New Delhi	Outside GNDU Nominee	Present
5.	Dr Dinesh Lakhanpal , Assistant Professor, Centre for Computational Biology & Bioinformatics, School of Life Sciences, Central University, Dharmshala, Himachal Pradesh	Outside GNDU Nominee	Present
6.	Dr Prakash Pathania , Scientist E, High Altitude Regional Centre, Zoological Survey of India, Solan, Himachal Pradesh	Industry Partner	Present

7.	Ms Kajal Jaswal , DBT-SRF, Indian Institute of Technology, IIT Mandi, Himachal Pradesh	Alumni	Present
8.	Dr. Mandeep Kaur , Assistant Professor, Dept. of Zoology, KMV, Jalandhar.	Member	Present

The Eleventh 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 X (dated 3-06-2025) and Action Taken Report.

Proceedings: The chairperson sent the proceedings of the previous Board of Studies meeting held on June 3, 2025 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 X

S. No.	Agenda Item	Decision taken in Meeting	Action Taken
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.	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) with 30% internal assessment for session 2025-26, was approved by the members without any change	The approved syllabus is executed

Item: ZOO: 20210: 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.	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 both semesters. 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 3-6-2025. 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 2024-25. 2) Skill Enhance Course (SEC-I) will be offered in Semester IV and will have 3 credits. The content of the syllabus was approved without any changes.	The approved syllabus is executed
Item: 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	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	The approved syllabus is executed

	(CBCEGS) with 20% internal assessment for the session 2025-26.	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.	
Item: ZOO: 20210: 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.	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) with 30% internal assessment for session 2025-26, was approved by the members without any change.	The approved syllabus is executed
Item: ZOO: 2025:10: 6	To discuss the proposed scheme and syllabus of <u>Bachelor of Science (Medical Laboratory Technology) Honours Sem III -IV</u> under Credit Based Continuous Evaluation Grading System	Chairperson Dr Archana Saini discussed the syllabus and course outcomes of <u>Bachelor of Science (Medical Laboratory Technology) Honours Sem III -IV</u> under credit based continuous evaluation grading system (CBCEGS) as per NEP 2020 with 30% internal assessment for the session 2025-26 in	The approved syllabus is executed

	(CBCEGS) as per NEP with 30% internal assessment for the session 2025-26.	detail. The following points were highlighted, discussed and approved. 1) Bachelor of Science (Honours) Medical Laboratory Technology Semester III to IV for session 2025-26 will have 27 credits in semester III and 25 credits in Semester IV. 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.	
Item: ZOO: 20210: 7	The syllabus of <u>Master of Science (Zoology) Sem I - II</u> 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.	The syllabus and course outcomes of <u>Master of Science (Zoology) Sem I - II</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for session 2025-26, was approved by the members without any change	The approved syllabus is executed
Item: ZOO: 20210: 8	To discuss the proposed syllabus of Master of Science (Zoology) Sem	The syllabus and course outcomes of <u>M. Sc. (Zoology) Sem III -IV</u> under Credit Based Continuous Evaluation Grading	The approved

	III - IV under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment for the session 2025-26.	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.	syllabus is executed
Item: ZOO: 20210: 9	The syllabus of paper <u>Biology for Chemists of Sem II</u> for class <u>Master of Science Chemistry</u> 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.	The syllabus of <u>Biology for Chemists</u> for Class <u>Master of Science (Chemistry)</u> 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	The approved syllabus is executed
Item: ZOO: 20210: 10	The syllabus of <u>Cell Biology</u> for Class <u>Bachelor of Science (Biotechnology)/ Honours Semester II</u> for the session 2025-26 will remain the same as the session 2024-25 under Credit Based Continuous Evaluation Grading System	The syllabus of <u>Cell Biology</u> for Class <u>Bachelor of Science (Biotechnology)/ Honours Semester II</u> 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	The approved syllabus is executed

	(CBCEGS) as per NEP 2020 with 30% internal assessment and has already been approved.		
Item: ZOO: 20210: 11	To discuss the proposed syllabus of <u>Zoology-I</u> for Class <u>Bachelor of Science (Biotechnology)</u> Semester III under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment for the session 2025-26.	As per the guidelines of NEP-2020, 4-year Bachelor of Science (Honours) Biotechnology has been introduced w.e.f. the session 2024-25. 1) 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. 2) 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 approved syllabus is executed
Item: ZOO: 20210: 12	To discuss the proposed syllabus of <u>Applied Zoology and Food Microbiology</u> for Class <u>Bachelor of Science (Home Science)</u> Semester VI under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20%	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, <u>Applied Zoology and Food Microbiology</u> subject will have 4 credits. It was decided to add 20% internal assessment.	The approved syllabus is executed

	internal assessment for the session 2025-26.	2. The content of the syllabus was approved without any changes.	
Item: ZOO: 2029: 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	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) and SEMESTER IV Bachelor of Vocation (Retail Management)/Bachelor of Vocation (Animation)/Bachelor of	The approved syllabus is executed

	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).	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.	
Item: ZOO: 20210: 14	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: 20210: 15	To discuss research inputs and plans of department for session 2025-26.	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	Faculty members are engaged in quality research as evident from their publications in high impact factor journals of International and National repute.

		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.	
Item: ZOO: 2021: 10: 16	To discuss teaching methodologies adopted in department and inputs required to upgrade the same.	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	BOS member appreciated the innovative teaching methodologies adopted by department.

		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.	
Item: ZOO: 20210: 17	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: 20210: 18	To discuss the result analysis for the session 2024-25.	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: 2026: 11: 1

ZOO: 2026: 11: 2: To discuss the proposed scheme and 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 30% internal assessment for the session 2026-27.

Proceeding: The Scheme and syllabus of **Bachelor of Science (Medical)/ Honours Sem I -II** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for session 2026-27, was approved by the members. The suggestions provided by Dr. Sanehdeep Kaur have been duly incorporated. (Approved syllabus attached herewith as **Annexure A**).

The house approved the Item: ZOO: 2026: 11: 2

ZOO: 2026: 11: 3: To discuss the proposed scheme and Syllabus of Zoology in Bachelor of Science (Medical)/ Honours Sem III -IV for the session 2026-27 will remain the same as the session 2025-26 under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment and has already been approved.

Proceedings: The Scheme and syllabus of **Bachelor of Science (Medical)/ Honours Sem I -II** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for session 2026-27, was approved by the members without any change (Approved syllabus attached herewith as **Annexure B**).

The house approved the Item: ZOO: 2026: 11: 3

ZOO: 2026: 11: 4: To discuss the proposed scheme and Syllabus of Zoology in **Bachelor of Science (Medical)/ Honours Sem V -VI** under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment for the session 2026-27.

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 V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27, Zoology subject will have 6 credits in semester V and VI. It was decided to add 30% internal assessment in all papers of Bachelor of Science (Medical)/ Honours Semester V and VI 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 V and VI, will have 6 credits per Semester for session 2026-27.
- 2) Summer Internship (CCFR) will be offered in Semester V and will have 2 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-2026-27

Bachelor of Science (Medical) (Honours) Semester -V										
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	Biomolecules	BSML-5483	DSC	4-0-0	4-0-0	100	70	-	30	3
	Biomolecules Lab	BSMP-5483	DSC	0-0-2	0-0-4	50	-	35	15	3
Summer Internship	Internship	BSMI-5486	CCFR	0-0-2	0-0-4	50	-	50	-	-
Bachelor of Science (Medical) (Honours) Semester -VI										
Zoology	Animal Physiology	BSML-6483	DSC	4-0-0	4-0-0	100	70	-	30	3
	Animal Physiology Lab	BSMP-6483	DSC	0-0-2	0-0-4	50	-	35	15	3

The BOS members discussed and approved detailed syllabus for 4-year Bachelor of Science (Medical)/ Honours Semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27. **(Approved syllabus attached herewith as Annexure C).**

The house approved the Item: ZOO: 2026: 11: 4

ZOO: 2026: 11: 5: To discuss the proposed scheme and Syllabus of **Bachelor of Medical Laboratory Science (Sem I -II)** under Credit Based Continuous Evaluation Grading System (CBCEGS)

as per National Commission for Allied and Healthcare Profession (NCAHP) Guidelines and GNDU syllabus with 30% internal assessment for the session 2026-27.

Proceedings: Chairperson Dr. Archana Saini discussed the syllabus of **Bachelor of Medical Laboratory Science** (Semester I to II) under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27. The following points were highlighted and discussed:

1. In **Bachelor of Medical Laboratory Science** (Semester I to II) under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27, will have 28 credits in each semester I and 30 credits in Semester II. It was decided to add 30% internal assessment in all papers of **Bachelor of Medical Laboratory Science** (Semester I and II).
2. As per the suggestion of Dr. Harish Changotra, the syllabus was retained in accordance with the NCAHP guidelines and approved without any changes.
3. The course scheme approved for **Bachelor of Medical Laboratory Science** (Semester I and II) under Credit Based Continuous Evaluation Grading System for the session 2026-27 is as follows:

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR-YEAR DEGREE
PROGRAMME
(Session: 2026-27)

Bachelor of Medical Laboratory Science (Semester -I)											
Course Code	Course Title	Course Type	Total Credits	Credit Hours			Total Marks	Marks			Exam Time in Hrs
				L	T	P		L	P	CA	
BMLL-1421 BMLL-1031 BMLL-1431	Punjabi (Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	2-0-0	2	-	-	50	35	-	15	3
BMLL-1102	Communicative English-I	AEC	2-0-0	2	-	-	50	35	-	15	3
BMLL-1483	Human Anatomy	DSC	4-0-0	3	1	-	100	70	-	30	3
BMLL-1484	Human Physiology	DSC	4-0-0	3	1	-	100	70	-	30	3
BMLL-1485	Fundamentals of the Healthcare System and Medical Laboratory Sciences	DSC	2-0-0	2	-	-	50	35	-	15	3

BMLL-1486	Basic Emergency Care and First Aid	DSC	2-0-0	1	1	-	50	35	-	15	3
BMLL-1107	Communication skills and Professionalism	AEC	2-0-0	2	-	-	50	35	-	15	3
BMLP-1488	Human Anatomy Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLP-1489	Human Physiology Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLM-1120	Basics of Computer Applications	SEC	1-0-1	1	-	2	50	20	15	15	3+3
USEP-0001	Entrepreneurship Mindset-I	SEC	0-0-2	-	-	4	50	-	50	-	3
VACF-1491	*Foundation Course	VAAC	2-0-0	2	-	-	50	35	-	15	1
Total Credits			28								

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.

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

C- Compulsory

VAAC- Value Added Audit Course

DSC- Discipline Specific Course

AEC- Ability Enhancement Course

SEC- Skill Enhancement Course

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR-YEAR DEGREE PROGRAMME
(Session: 2026-27)

Bachelor of Medical Laboratory Science (Semester -II)											
Course Code	Course Title	Course Type	Total Credits	Credit Hours			Total Marks	Marks			Exam Time in Hrs
				L	T	P		L	P	C A	
BMLL-2421	Punjabi (Compulsory)	C	2-0-0	2	-	-	50	35	-	15	3
BMLL-2031	¹ Basic Punjabi										
BMLL-2431	² Punjab History and Culture										
BMLL-2102	Communicative English-II	AEC	2-0-0	2	-	-	50	35	-	15	3
BMLL-2483	Fundamentals of Hematology	DSC	4-0-0	4	-	-	100	70	-	30	3
BMLL-2484	Basics of Biochemistry	DSC	4-0-0	4	-	-	100	70	-	30	3
BMLL-2065	Fundamentals of Microbiology	DSC	4-0-0	4	-	-	100	70	-	30	3
BMLL-2486	Preventive and Social Medicine	DSC	2-0-0	2	-	-	50	35	-	15	3
BMLP-2487	Fundamentals of Hematology Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLP-2488	Basics of Biochemistry Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLP-2069	Fundamentals of Microbiology Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
USEP-0002	Entrepreneurship Mindset -II	SEC	0-0-2	-	-	4	50	35	-	15	3
VACD-2161	Drug Abuse and Ethical Education	VAC	4-0-0	4	-	-	100	70	-	30	3
Total Credits			30								

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.

C-Compulsory

VAC- Value Added Course

DSC- Discipline Specific Course

SEC- Skill Enhancement Course

AEC- Ability Enhancement Course

(Approved syllabus attached herewith as **Annexure D**)

The house approved the Item: ZOO: 2026: 11: 5

ZOO: 2026: 11: 6: To discuss the 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 2026-27.

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 2026-27. The following points were highlighted and discussed:

In Bachelor of Science (Honours) Medical Laboratory Technology Semester III to IV under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27, will have 25 credits in each semester III and 28 credits in Semester IV. 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 2026-27.

The content of the syllabus was approved without any changes.

The course scheme approved for B. Sc. (Medical) Sem III-IV under Credit Based Continuous Evaluation Grading System for the session 2026-27 is as follows:

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR-YEAR DEGREE PROGRAMME
(Session: 2026-27)

Bachelor of Science (Honours) (Medical Laboratory Technology) Semester -III											
Course Code	Course Title	Cours e Type	Total Credits	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	2-0-0	2	-	-	50	35	-	15	3
Total Credits			25								

DSC- Discipline Specific Course

VAC- Value Added Course

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR-YEAR DEGREE PROGRAMME
(Session: 2026-27)

Bachelor of Science (Honours) (Medical Laboratory Technology) Semester -IV											
Course Code	Course Title	Course Type	Total Credits	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	3-0-0	3	-	-	100	70	-	30	3
BMLP-4485	Immunology-I Lab	MDC	0-0-1	-	-	2	50	-	35	15	3
BMLL-4320	Entrepreneurship and Small Business	SEC	3-0-0	3	-	-	100	70	-	30	3
VACP-4511	*Personality Development and Gender Sensitization	VAAC	2-0-0	2	-	-	50	35	-	15	1
Total Credits			28								

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

DSC- Discipline Specific Course

VAAC- Value Added Audit Course

MDC- Multi Disciplinary Course

SEC- Skill Enhancement Course

(Approved syllabus attached herewith as Annexure E).

The house approved the Item: ZOO: 2026: 11: 7

ZOO: 2026: 11: 7: To discuss the proposed scheme and syllabus of **Bachelor of Science (Medical Laboratory Technology) Honours Sem V -VI** under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP with 30% internal assessment for the session 2026-27.

Proceedings: Chairperson Dr. Archana Saini discussed the syllabus of **Bachelor of Science (Honours) Medical Laboratory Technology** Semester V to VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27. The following points were highlighted and discussed:

In Bachelor of Science (Honours) Medical Laboratory Technology Semester V to VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27, will have 27 credits in each semester V and 22 credits in Semester VI. It was decided to add 30% internal assessment in all papers of **Bachelor of Science (Honours) Medical Laboratory Technology** Semester V and VI under Credit Based Continuous Evaluation Grading System (CBCEGS) for session 2026-27.

The students will complete internship of 2 weeks in Sem VI

The content of the syllabus was approved without any changes.

The course scheme approved for B. Sc. (Medical) Sem III-IV under Credit Based Continuous Evaluation Grading System for the session 2026-27 is as follows:

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR-YEAR DEGREE PROGRAMME
Session-2026-27

Bachelor of Science (Honours) (Medical Laboratory Technology) (Semester -V)											
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-5481	Haematology-IV	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-5481	Haematology-IV Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLL-5482	Pathology-III	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-5482	Pathology- III Lab	DSC	0-0-2	-	-	4	50	-	35	15	3

BMLL-5483	Clinical Biochemistry-III	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-5483	Clinical Biochemistry-III Lab	DSC	0-0-2	-	-	4	50	-	35	15	3
BMLL-5484	Parasitology	DSC	3-0-0	3	-	-	100	70	-	30	3
BMLP-5484	Parasitology Lab	DSC	0-0-1	-	-	2	50	-	35	15	3
BMLL-5485	Immunology-II	MDC-II	3-0-0	3	-	-	100	70	-	30	3
BMLP-5485	Immunology-II Lab	MDC-II	0-0-1	-	-	2	50	-	35	15	3
CCFC-5522	Internship	CCFR	0-0-2	-	-	4	50	-	35	15	1
VACJ-5551	*Job Readiness	VAAC	2-0-0	2	-	-	50	35	-	15	1
Total Credits			27								

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

DSC- Discipline Specific Course

MDC- Multi Disciplinary Course

CCFR- Co-curricular Field Work and Report Writing

VAAC- Value Added Audit Course

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR-YEAR DEGREE PROGRAMME
(Session: 2026-27)

Bachelor of Science (Honours) (Medical Laboratory Technology) (Semester -VI)											
Cours e Code	Course Title	Cour se Type	Total Credit s (L-T- P)	Credit Hours			Total Mark s	Marks			Exa m Tim e in Hrs
				L	T	P		L	P	CA	
BMLI-6480	Training in Diagnostic Lab/ Internship	SEC	0-0-20	-	-	40	500	-	500	-	-
VACH-6401	Human Rights and	VAC	2-0-0	2	-	-	50	35	-	15	1

	Constitutional Duties									
Total Credits			22							

SEC- Skill Enhancement Course

VAC- Value Added Course

‡‡A report on the basis of the training/internship will be submitted by the students and shall be evaluated by a committee of three members.

(Approved syllabus attached herewith as Annexure F).

The house approved the Item: ZOO: 2026: 11: 8

ZOO: 2026: 11: 8: To discuss the proposed scheme and syllabus of **Master of Science (Zoology) Sem I - II** under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP with 30% internal assessment for the session 2026-27.

Proceedings: The Scheme and syllabus of **Master of Science (Zoology) Sem I -II** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for session 2026-27, was approved by the members. The suggestions provided by Dr. Sanehdeep Kaur regarding the minor upgradation of the syllabus and recommended books for Functional Organisation of Animals I–II have been duly incorporated. (Approved syllabus attached herewith as **Annexure G**).

The house approved the Item: ZOO: 2026: 11: 8

ZOO: 2026: 11: 9: The syllabus of **Master of Science (Zoology) Sem III - IV** for the session 2026-27 will remain the same as the session 2025-26 under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment and has already been approved.

Proceedings: The Scheme and syllabus of **Master of Science (Zoology) Sem III -IV** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for session 2026-27, was approved by the members without any change. (**Approved syllabus attached herewith as Annexure H**)

The house approved the Item: ZOO: 2026: 11: 9

ZOO: 2026: 11: 10: The syllabus of paper **Chemistry of Living Systems** of **Sem II** for class **Master of Science Chemistry** for the session 2026-27 will remain the same as the session 2025-26 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 **Chemistry of Living Systems** 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 2026-27, was approved by the members without any change (Approved syllabus attached herewith as Annexure I).

The house approved the Item: ZOO: 2026: 11: 10

ZOO: 2026: 11: 11: The syllabus of **Cell Biology** for Class **Bachelor of Science (Biotechnology)/ Honours Semester II** for the session 2026-27 will remain the same as the session 2025-26 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 2026-27, was approved by the members without any change (Approved syllabus attached herewith as Annexure J).

The house approved the Item: ZOO: 2026: 11: 11

ZOO: 2026: 11: 12: The syllabus of **Zoology** for Class **Bachelor of Science (Biotechnology)/ Honours Semester III** for the session 2026-27 will remain the same as the session 2025-26 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 **Zoology** for Class **Bachelor of Science (Biotechnology)/ Honours Semester III** under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment for session 2026-27, was approved by the members without any change (Approved syllabus attached herewith as Annexure K).

The house approved the Item: ZOO: 2026: 11: 12

ZOO: 2026: 11: 13: To discuss the proposed scheme and syllabus of **Zoology-II** for Class **Bachelor of Science (Biotechnology)/ Honours Semester VI** under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP with 30% internal assessment for the session 2026-27.

Proceedings: The house discussed and approved the following:

1. In **Bachelor of Science (Biotechnology)/ Honours Semester VI** under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP with 30% internal assessment for the session 2026-27, **Zoology- II** subject will have 4 credits. It was decided to add 30% internal assessment.
2. The content of the syllabus was approved without any changes.

3. The course scheme approved for **Bachelor of Science (Biotechnology)/ Honours Semester VI** under Credit Based Continuous Evaluation Grading System for the session 2026-27 is as follows:

KANYA MAHAVIDYALAYA, JALANDHAR (AUTONOMOUS)

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

Session-2026-27

Bachelor of Science (Honours) Biotechnology Semester -VI									
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-6065	Zoology-II	MDC	3-0-1	3-0-2	100	50	20	30	3+3

(Approved syllabus attached herewith as Annexure L)

The house approved the Item: ZOO: 2026: 11: 13

ZOO: 2026: 11: 14: The syllabus of **Environmental Studies** of **Semester III** for Class **ZOO: 2026:**

11: 14: The syllabus of **Environmental Studies** of **Semester III** for Class 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)/ Bachelor of Computer Applications/ Bachelor of Science (Information Technology)/Bachelor of Vocation (Retail Management)/Bachelor of Vocation (Animation)/Bachelor of Vocation (Nutrition and Dietetics)/ Bachelor of Vocation (Beauty and 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 and Mass Communication)/ Master of Arts (English) FYIP (Five Year Integrated Programme) for the

session 2026-27 will remain the same as the session 2025-26 under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30% internal assessment.

Proceedings: The syllabus of **Environmental Studies** of **Semester III** for 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)/ Bachelor of Computer Applications/ Bachelor of Science (Information Technology)/Bachelor of Vocation (Retail Management)/Bachelor of Vocation (Animation)/Bachelor of Vocation (Nutrition and Dietetics)/ Bachelor of Vocation (Beauty and 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 and Mass Communication)/ Master of Arts (English) FYIP (Five Year Integrated Programme) for the session 2026-27 under Credit Based Continuous Evaluation Grading System (CBCEGS) as per NEP 2020 with 30%, was approved by the members without any change (Approved syllabus attached herewith as Annexure M)

The house approved the Item: ZOO: 2026: 11: 14

ZOO: 2026: 11: 15: 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: 2026: 11: 15

ZOO: 2026: 11: 16: To discuss and approve the revisions in ordinances of Bachelor of Science (Medical Laboratory Science)/ Honours programme as per NCAHP Guidelines.

Proceedings: The ordinance of Bachelor of Science (Medical Laboratory Science) programme was discussed and approved by the BOS members. (**Lists attached herewith as Annexure N**).

ZOO: 2026: 11: 17: To discuss research inputs and plans of department for session 2026-27.

Proceedings: 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 2025-26 the faculty of Zoology has

published 18 book chapters in edited books of national and international repute and presented 06 Research papers in International conferences and 04 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. This year Dr Archana Saini got sanctioned a Major research project as Co-PI from ICSSR, Govt of India, New Delhi on 'Agrochemicals and heavy metal exposure: Mitigation of physical and mental Health risks in the Doaba Region of Punjab'. 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 2025-26 all the faculty members have 11 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 09 of our BSc Medical Laboratory Technology Sem III & IV students have successfully completed 15 days internship in winter vacations and 01 month internship during their summer vacations at different hospitals and diagnostic labs. Similarly, BSc MLT Sem II students have also undertaken 15 days internships during this summer vacation.

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: 2026: 11: 17

ZOO: 2026: 11: 18: To discuss teaching methodologies adopted in department and inputs required to upgrade the same.

Proceedings: 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 with around 600 books. Invited Talks by luminaries are organised quite often in the department. This year department organized **02**

such invited talks out of which **01** was International talk by Dr Owais Iqbal Dar from Hainan University on ‘Emerging Contaminants in Aquatic Ecosystems: a hidden Threat’. Various Departmental activities like educational trips, power point presentation competitions, social outreach, workshops and environment related activities are also a regular feature of our department. In the session 2025-26, **15** such activities were organised aiming passion for science and overall development of students. In the session 2025-26 department also organised a haemoglobin and blood group testing camp in the college for faculty and students, to commemorate world health day on April 7 2026, in which in our BSc MLT students determined haemoglobin and blood groups of around 120 individuals.

The house approved the (Item: ZOO: 2026: 11: 18) teaching methodologies and various activities held in the department to enhance teaching learning process.

ZOO: 2026: 11: 19: 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: 2026: 11: 19

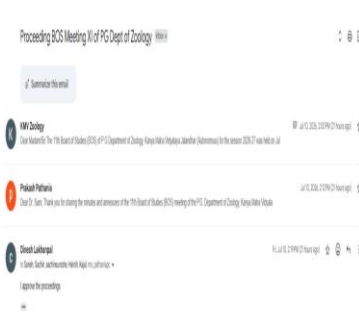
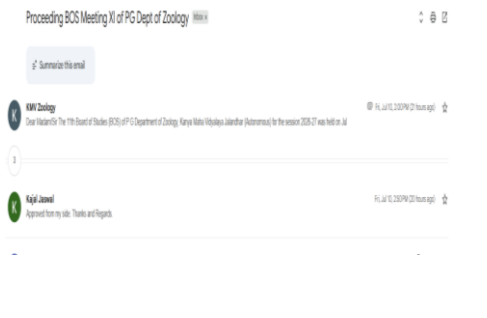
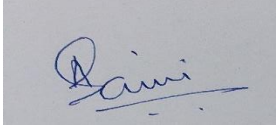
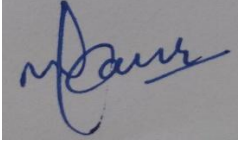
ZOO: 2026: 11: 20: To discuss the result analysis for the session 2025-26.

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 O).**

The house approved the Item: ZOO: 2026: 11: 20

Approval Emails (Screenshot)

 Dr. Sanjeev Kaur (VC Nominee)	 Dr. Harish Changotra (Special Invitee)	 Dr Sachin S Suroshe (Outside GNDU Nominee)
---	--	---

 Dr Dinesh Lakhanpal (Outside GNDU Nominee)	 Dr Prakash Pathania (Industry Partner)	 Ms Kajal Jaswal (Alumni)
 Dr Archana Saini Chairperson	 Dr Mandeep Kaur Member	