

**Kanya Maha Vidyalaya
Jalandhar
(An Autonomous College)**



**Minutes of 10th Meeting of Board of Studies
Department of Botany**

Date: 29-05-2025

Time: 10:00 A.M

Venue: Online (Through Zoom App)

KANYA MAHA VIDYALAYA, JALANDHAR
(UGC Autonomous College)
P.G Department of Botany
Agenda of the 10th Meeting of Board of studies

The 10th Meeting of Board of Studies will be held on 29th May 2025 at 10:00 am in on-line mode on Zoom.

Following Members of the Board of Studies are invited to attend the meeting:

1.	Mrs. Shikha Vashisht , Head, Department of Botany, KMV Jalandhar	Chairperson
2.	Dr. Satwinderjeet Kaur , Professor, Department of Botanical and Environment Sciences, GNDU, Amritsar	University Nominee
3.	Dr. Amrik Singh Ahluwalia, Ex-Professor, Department of Botany, Panjab University, Chandigarh. Pro-Vice Chancelor	Outside GNDU
4.	Dr. C. Nirmala, Professor, Department of Botany, Panjab University, Chandigarh	Outside GNDU
5.	Mr. Sukhjeet Singh Cheema, M.D. Pukhraj Organic, Jalandhar	Industrial Representative
6.	Ms. Naincy	Alumni
7.	Mrs. Deepika Vats, Assistant Professor, Department of Botany, KMV Jalandhar	Member
8.	Dr. Sandeep Kaur, Assistant Professor, Department of Botany, KMV Jalandhar	Member

KANYA MAHA VIDYALAYA, JALANDHAR
(Autonomous College)
P.G. Department of Botany
Agenda of 10th Meeting of Board of Studies

The Chairperson, Mrs. Shikha Vashisht, extended a warm welcome and introduced the members of the Tenth Board of Studies. She informed the members about various events organized by the department aimed at enriching teaching and learning experiences. Additionally, she shared updates on the department's ongoing research activities. Following this brief overview, she proceeded to discuss the agenda items individually, with the consent of the committee members.

Item: BOT: 2025:10:1 To discuss and approve the proceedings of Ninth BOS held on 19th April 2024 and Action Taken Report.

Proceedings: The Chairperson sent the proceedings of the previous Board of Studies meeting held on 19th 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 (ATR)
On
Tenth Board of Studies Meeting held on 29.05.2025

Sr.No.	Agenda Item	Decision taken in Meeting	Action Taken																																						
<u>Item No.:</u> <u>BOS-10-2025-1</u>	To approve the proceedings of ninth BOS held on 19.04.2024 and discuss the action taken report.	1. House approved the proceedings of eighth BOS and appreciated the implementation of proceedings of previous BOS as given in action taken report.	Suggestions implemented.																																						
<u>Item No.:</u> <u>BOS-10-2025-2</u>	To discuss the proposed syllabus of Botany in <u>Bachelor of Science (Medical) Semester I –IV</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment under NEP 2020 for the session 2025-26.	1. The House approved syllabus of Botany for <u>Bachelor of Science (Medical) Semester I –IV</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment under NEP 2020 for the session 2025-26. The scheme is as follows: <table><tr><th colspan="9">B.Sc (Medical) Semester I</th></tr><tr><th rowspan="2">Course Code</th><th rowspan="2">Course Name</th><th rowspan="2">Course Type</th><th rowspan="2">Credits</th><th rowspan="2">Total Marks</th><th colspan="2">Ext.</th><th rowspan="2">CA</th><th rowspan="2">Examination Time (in Hours)</th></tr><tr><th>L</th><th>P</th></tr><tr><td>BSML-1421</td><td>Punjabi (Compulsory)</td><td>C</td><td>4</td><td>100</td><td>70</td><td>-</td><td>30</td><td>3</td></tr><tr><td>BSML-</td><td>¹Basic Punjabi</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	B.Sc (Medical) Semester I									Course Code	Course Name	Course Type	Credits	Total Marks	Ext.		CA	Examination Time (in Hours)	L	P	BSML-1421	Punjabi (Compulsory)	C	4	100	70	-	30	3	BSML-	¹ Basic Punjabi								The same has been incorporated and the approved syllabus is executed.
B.Sc (Medical) Semester I																																									
Course Code	Course Name	Course Type	Credits	Total Marks	Ext.		CA	Examination Time (in Hours)																																	
					L	P																																			
BSML-1421	Punjabi (Compulsory)	C	4	100	70	-	30	3																																	
BSML-	¹ Basic Punjabi																																								

[illegible]

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

B.Sc. (Medical) Semester II

Course Code	Course Name	Course Type	Credits	Total Marks	Ext.		CA	Examination Time (in Hours)
					L	P		
BSML-2421	Punjabi (Compulsory)	C	4	100	70	-	30	3
BSML-2031	¹ Basic Punjabi							
BSML-2431	² Punjab History and Culture							
BSML-2212	English Language And Literature-1	MDC	4	100	70		30	3
BSML-2483	Zoology (Diversity of Nonchordates- II)		4	100	70		30	3

			(Arthropoda - Hemichordata)	DSC						
		BSMP-2483	Nonchordates- II Lab		2	50	--	35	15	3
		BSML-2084	Chemistry (Organic Chemistry-I: Hydrocarbons and alkyl Halides)	DSC	4	100	70		30	3
		BSMP-2084	Organic Chemistry-I: Lab Functional group analysis		2	50	--	35	15	3
		BSML-2075	Botany (Cell Biology and Genetics)	DSC	4	100	70		30	3
		BSMP-2075	Cell Biology and Genetics Lab		2	50	--	35	15	3
		BSMM-2080/ BSMM - 2480/ BSMM - 2070	Chemistry/ Aquaculture/ Medicinal Botany	SEC	3	100	50	20	30	3+3
		VACD-2161	*Drug Abuse: Problem, Management and Prevention (Compulsory)	VAC	2	50	35	--	15	3

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

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

Bachelor of Science (Medical)/ Honours Semester-III

Course Code	Course Name	Course Type	Credits	Total Marks	ESE		C A	Examination time (in Hours)
					L	P		
BSML-3421 BSML-3031 BSML-3431	Punjabi (Compulsory) 1Basic Punjabi 2Punjab History and Culture (From Earliest Times To C 320)	C	4-0-0	100	70	-	30	3

VAC-Value Added Course

Bachelor of Science (Medical)/ Honours Semester-IV								
Course Code	Course Name	Course Type	Credits	Total Marks	E S E	CA		Examination time (in Hours)
					L	P		
BSML-4421 BSML -4031 BSML -4431	Punjabi (Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	4-0-0	100	70		-	30 3
BSML -4212	Appreciating English Literature – II	MDC	4-0-0	100	70			30 3
BSML -4483	Zoology (Cell Biology)	DSC	4-0-0	100	70			30 3
BSMP -4483	Cell Biology-Lab		0-0-1	50		35	15	3
BSML -4084	Inorganic Chemistry-II (Periodic Table and Coordination)	DSC	4-0-0	100	70			30 3
BSMP -4084	Inorganic Chemistry-II Lab		0-0-2	50		35	15	3
BSML -4075	Botany (Structure, Development and Reproduction in Flowering Plants)	DSC	4-0-0	100	70			30 3
BSMP -4075	Structure, Development And Reproduction In Flowering Plants – Lab		0-0-2	50		35	15	3
**BSMM-2080/ BSMM -2480/ BSMM -2070	Chemistry/ Aquaculture/ Medicinal Botany	SEC	3-0-0	100	70			30 3
*VACE-4221	Environment studies (Compulsory)	VAC	2-0-0	50	20	15	15	3

		¹ Special paper in lieu of Punjabi (Compulsory) for those who have not studied Punjabi . ² Special 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/ Programme and only grades will be provided. ** Student Can opt any one of the given course C- Compulsory MDC- Multi Disciplinary Course DSC-Discipline Specific Course SEC- Skill Enhancement Course VAC-Value Added Course	
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<u>Item No.:</u> <u>BOS-10-2025-3</u>	To discuss the syllabus of Botany in <u>Bachelor of Science (Biotechnology) Semester I and IV</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment under NEP 2020 for the session 2025-26.	1. The House approved syllabus of Botany in <u>Bachelor of Science (Biotechnology) Semester I and IV</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment under NEP 2020 for the session 2025-26.										The approved syllabus is executed.	
		Bachelor of Science (Hons.) Biotechnology Semester-I											
		Course Code	Course Title	Course Type	Credits			Total Credits	L	P	CA		Marks
					L	T	P						
		BBTM-1074	Botany-I	C	4	0	1	4	50	20	30		100
		Bachelor of Science (Hons.) Biotechnology Semester-IV											
Course Code	Course Title	Course Type	Credits			Total Credits	L	P	CA	Marks			
			L	T	P								
BBTM-4073	Botany-II	C	3	0	1	4	50	20	30	100			

Item No.: BOS-10-2025-4	To discuss the proposed syllabus of Botany in <u>Bachelor of Science (Medical) Semester V - VI</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26.	1. The proposed syllabus of Botany in <u>Bachelor of Science (Medical) Semester V - VI</u> under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26 was discussed with Board members and was approved. The scheme is as follows: <table><tr><th colspan="11">Bachelor of Science (Medical) Semester –V</th></tr><tr><th rowspan="3">Course Name</th><th rowspan="3">Program Name</th><th rowspan="3">Course Code</th><th rowspan="3">Course Type</th><th rowspan="3">Total Marks</th><th colspan="4">Marks</th><th rowspan="3">C A</th><th rowspan="3">Exam Time In Hrs</th></tr><tr><th rowspan="2">Paper</th><th rowspan="2">Credits L-T-P</th><th colspan="2">Ext.</th></tr><tr><th>L</th><th>P</th></tr><tr><td rowspan="3">Botany</td><td rowspan="3">Bachelor of Science (Medical)</td><td>BSMM - 5075(I)</td><td rowspan="3">C</td><td>50</td><td>Plant Physiology</td><td>2-0-0</td><td>40</td><td></td><td>10</td><td>3</td></tr><tr><td>BSMM - 5075 (II)</td><td>75</td><td>Biochemistry & Biotechnology</td><td>3-0-0</td><td>60</td><td></td><td>15</td><td>3</td></tr><tr><td>BSMM - 5075 (P)</td><td>50</td><td>Practical (Based on Papers–I and II)</td><td>0-0-2</td><td></td><td>40</td><td>10</td><td>3</td></tr></table> <table><tr><th colspan="11">Bachelor of Science (Medical) Semester –VI</th></tr><tr><th rowspan="3">Course Name</th><th rowspan="3">Program Name</th><th rowspan="3">Course Code</th><th rowspan="3">Course Type</th><th rowspan="3">Total Marks</th><th colspan="4">Marks</th><th rowspan="3">C A</th><th rowspan="3">Exam Time In Hrs</th></tr><tr><th rowspan="2">Paper</th><th rowspan="2">Credits L-T-P</th><th colspan="2">Ext.</th></tr><tr><th>L</th><th>P</th></tr></table>	Bachelor of Science (Medical) Semester –V											Course Name	Program Name	Course Code	Course Type	Total Marks	Marks				C A	Exam Time In Hrs	Paper	Credits L-T-P	Ext.		L	P	Botany	Bachelor of Science (Medical)	BSMM - 5075(I)	C	50	Plant Physiology	2-0-0	40		10	3	BSMM - 5075 (II)	75	Biochemistry & Biotechnology	3-0-0	60		15	3	BSMM - 5075 (P)	50	Practical (Based on Papers–I and II)	0-0-2		40	10	3	Bachelor of Science (Medical) Semester –VI											Course Name	Program Name	Course Code	Course Type	Total Marks	Marks				C A	Exam Time In Hrs	Paper	Credits L-T-P	Ext.		L	P	The approved syllabus is executed
Bachelor of Science (Medical) Semester –V																																																																																						
Course Name	Program Name	Course Code	Course Type	Total Marks	Marks				C A	Exam Time In Hrs																																																																												
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							L	P																																																																														
Botany	Bachelor of Science (Medical)	BSMM - 5075(I)	C	50	Plant Physiology	2-0-0	40		10	3																																																																												
		BSMM - 5075 (II)		75	Biochemistry & Biotechnology	3-0-0	60		15	3																																																																												
		BSMM - 5075 (P)		50	Practical (Based on Papers–I and II)	0-0-2		40	10	3																																																																												
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					Paper	Credits L-T-P	Ext.																																																																															
							L	P																																																																														

		<table><tr><td rowspan="3">Botany</td><td rowspan="3">Bachelor of Science (Medical)</td><td>BSMM-6075 (I)</td><td rowspan="3">C</td><td>50</td><td>Ecology</td><td>2-0-0</td><td>40</td><td></td><td>10</td><td>3</td></tr><tr><td>BSMM-6075(II)</td><td>75</td><td>Economic Botany</td><td>3-0-0</td><td>60</td><td></td><td>15</td><td>3</td></tr><tr><td>BSMM-6075 (P)</td><td>50</td><td>Practical (Based on Papers–I and II)</td><td>0-0-2</td><td></td><td>40</td><td>10</td><td>3</td></tr></table>	Botany	Bachelor of Science (Medical)	BSMM-6075 (I)	C	50	Ecology	2-0-0	40		10	3	BSMM-6075(II)	75	Economic Botany	3-0-0	60		15	3	BSMM-6075 (P)	50	Practical (Based on Papers–I and II)	0-0-2		40	10	3													
Botany	Bachelor of Science (Medical)	BSMM-6075 (I)			C		50	Ecology	2-0-0	40		10	3																													
		BSMM-6075(II)					75	Economic Botany	3-0-0	60		15	3																													
		BSMM-6075 (P)	50	Practical (Based on Papers–I and II)		0-0-2		40	10	3																																
Item No.: <u>BOS-10-2025-5</u>	To discuss the proposed syllabus of Botany in <u>Bachelor of Science (Home Science)</u> Semester V under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26.	1. The proposed syllabus of Botany in <u>Bachelor of Science (Home Science)</u> Semester V under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26 was discussed with Board members and was approved. The scheme is as follows: <table><tr><th colspan="11">Semester V</th></tr><tr><th rowspan="3">Course Code</th><th rowspan="3">Course Name</th><th rowspan="3">Course Type</th><th rowspan="3">Hours Per Week L-T-P</th><th rowspan="3">Credits L-T-P</th><th rowspan="3">Total</th><th colspan="3">Marks</th><th colspan="2" rowspan="2">Examination time (in Hours)</th></tr><tr><th rowspan="2">Total</th><th rowspan="2">Ext .</th><th rowspan="2">C A</th></tr><tr><th>L</th><th>P</th><th></th></tr><tr><td>BHSM-5077</td><td>Applied Botany And Home Gardening</td><td>C</td><td>3-0-2</td><td>3-0-1</td><td>4</td><td>100</td><td>60</td><td>20</td><td>20</td><td>3+3</td></tr></table>	Semester V											Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total	Marks			Examination time (in Hours)		Total	Ext .	C A	L	P		BHSM-5077	Applied Botany And Home Gardening	C	3-0-2	3-0-1	4	100	60	20	20	3+3	The approved syllabus is executed
Semester V																																										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total	Marks			Examination time (in Hours)																																	
						Total	Ext .	C A																																		
									L	P																																
BHSM-5077	Applied Botany And Home Gardening	C	3-0-2	3-0-1	4	100	60	20	20	3+3																																

Item No.: BOS-10-2025-6	To discuss the proposed syllabus of Botany in <u>Master of Science (Botany) Semester I - IV</u> under Credit Based Continuous Evaluation Grading system with 30% internal assessment for the session 2025-26.	1. The syllabus of Botany in <u>Master of Science (Botany) Semester I - IV</u> under Credit Based Continuous Evaluation Grading system with 30% internal assessment for the session 2025-26 (CBCEGS) was discussed with Board members and was approved. Following points were highlighted and approved. - It was decided to give 2 credits to summer training in <u>Master of Science (Botany) Semester II.</u> These credits will not be added in SGPA/CGPA of the semester Program and only grades will be provided. - It was also recommended to introduce a one-credit seminar along with an assignment in the third semester of the Master of Science (Botany) program. - It was also suggested to split the course title Field Study and Research Techniques into two papers titled Field study and Research Techniques/ Research Project to give due credit to these courses. <table><tr><th colspan="10">Master of Science (Botany) Semester-I</th></tr><tr><th colspan="10">Session: 2025-26</th></tr><tr><th rowspan="2">Course Code</th><th rowspan="2">Course Title</th><th rowspan="2">Course Type</th><th rowspan="2">Hours /Week</th><th rowspan="2">Credits L-T-P</th><th rowspan="2">Total Credits</th><th colspan="4">Marks</th><th rowspan="2">Examination time (in Hours)</th></tr><tr><th>Total</th><th>Th</th><th>P</th><th>CA</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Master of Science (Botany) Semester-I										Session: 2025-26										Course Code	Course Title	Course Type	Hours /Week	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)	Total	Th	P	CA												The approved syllabus is executed.
Master of Science (Botany) Semester-I																																																	
Session: 2025-26																																																	
Course Code	Course Title	Course Type	Hours /Week	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)																																							
						Total	Th	P	CA																																								

		MBTL-1071	Fungi and Plant Pathology	C	3	3-0-0	3	100	70	-	30	3	
		MBTL-1072	Phycology	C	3	3-0-0	3	100	70	-	30	3	
		MBTL-1073	Bryology	C	3	3-0-0	3	100	70	-	30	3	
		MBTL-1074	Plant Physiology	C	3	3-0-0	3	100	70	-	30	3	
		MBTL-1075	Genetics and Evolution	C	3	3-0-0	3	100	70	-	30	3	
		MBTL-1046	Computer Applications and Bioinformatics	IC	3	3-0-0	3	100	70	-	30	3	
		MBTP-1077	Botany Practicals I	C	6	0-0-3	3	100	-	70	30	6	
		MBTP-1078	Botany Practicals II	C	6	0-0-3	3	100	-	70	30	6	
		Student can opt any one of the following Interdisciplinary optional courses		IDE			4	100	70		30	3	
		Total						24	800				
		IDEC-1101 IDEM-1362 IDEH-1313 IDEI-1124 IDEW-12100				Effective Communication Skills Basics of Music (Vocal) Human Rights and Constitutional Duties Basics of Computer Applications Indian Heritage: Contribution to the world (Credits of these courses will not be added to SGPA)							
		Master of Science (Botany) Semester-II Session: 2025-26											
		Course	Course Title	Course			Total	Marks			Exa		

		<table><tr><th>Code</th><th></th><th>Type</th><th>Hours/ week</th><th>Credits L-T-P</th><th>Credits</th><th>Total</th><th>L</th><th>P</th><th>C A</th><th>mina tion time (in Hour s)</th></tr><tr><td>MBTL-2071</td><td>Pteridology</td><td>C</td><td>3</td><td>3-0-0</td><td>3</td><td>100</td><td>70</td><td>-</td><td>30</td><td>3</td></tr><tr><td>MBTL-2072</td><td>Diversity and Biology of Gymnosperms</td><td>C</td><td>3</td><td>3-0-0</td><td>3</td><td>100</td><td>70</td><td>-</td><td>30</td><td>3</td></tr><tr><td>MBTL-2073</td><td>General Microbiology</td><td>C</td><td>3</td><td>3-0-0</td><td>3</td><td>100</td><td>70</td><td>-</td><td>30</td><td>3</td></tr><tr><td>MBTL-2074</td><td>Cell Biology</td><td>C</td><td>3</td><td>3-0-0</td><td>3</td><td>100</td><td>70</td><td>-</td><td>30</td><td>3</td></tr><tr><td>MBTL-2075</td><td>Ecological Modelling and Forest Ecology</td><td>C</td><td>3</td><td>3-0-0</td><td>3</td><td>100</td><td>70</td><td>-</td><td>30</td><td>3</td></tr><tr><td>MBTL-2336</td><td>Theoretical Biology</td><td>IC</td><td>3</td><td>3-0-0</td><td>3</td><td>100</td><td>70</td><td>-</td><td>30</td><td>3</td></tr><tr><td>MBTP-2077</td><td>Botany Practicals I</td><td>C</td><td>6</td><td>0-0-3</td><td>3</td><td>100</td><td>-</td><td>70</td><td>30</td><td>6</td></tr><tr><td>MBTP-2078</td><td>Botany Practicals II</td><td>C</td><td>6</td><td>0-0-3</td><td>3</td><td>100</td><td>-</td><td>70</td><td>30</td><td>6</td></tr><tr><td>MBTI-2079</td><td>Summer Training</td><td>C</td><td></td><td>0-0-2</td><td>2</td><td colspan="5">Satisfactory/Not satisfactory</td></tr></table>	Code		Type	Hours/ week	Credits L-T-P	Credits	Total	L	P	C A	mina tion time (in Hour s)	MBTL-2071	Pteridology	C	3	3-0-0	3	100	70	-	30	3	MBTL-2072	Diversity and Biology of Gymnosperms	C	3	3-0-0	3	100	70	-	30	3	MBTL-2073	General Microbiology	C	3	3-0-0	3	100	70	-	30	3	MBTL-2074	Cell Biology	C	3	3-0-0	3	100	70	-	30	3	MBTL-2075	Ecological Modelling and Forest Ecology	C	3	3-0-0	3	100	70	-	30	3	MBTL-2336	Theoretical Biology	IC	3	3-0-0	3	100	70	-	30	3	MBTP-2077	Botany Practicals I	C	6	0-0-3	3	100	-	70	30	6	MBTP-2078	Botany Practicals II	C	6	0-0-3	3	100	-	70	30	6	MBTI-2079	Summer Training	C		0-0-2	2	Satisfactory/Not satisfactory					
Code		Type	Hours/ week	Credits L-T-P	Credits	Total	L	P	C A	mina tion time (in Hour s)																																																																																																							
MBTL-2071	Pteridology	C	3	3-0-0	3	100	70	-	30	3																																																																																																							
MBTL-2072	Diversity and Biology of Gymnosperms	C	3	3-0-0	3	100	70	-	30	3																																																																																																							
MBTL-2073	General Microbiology	C	3	3-0-0	3	100	70	-	30	3																																																																																																							
MBTL-2074	Cell Biology	C	3	3-0-0	3	100	70	-	30	3																																																																																																							
MBTL-2075	Ecological Modelling and Forest Ecology	C	3	3-0-0	3	100	70	-	30	3																																																																																																							
MBTL-2336	Theoretical Biology	IC	3	3-0-0	3	100	70	-	30	3																																																																																																							
MBTP-2077	Botany Practicals I	C	6	0-0-3	3	100	-	70	30	6																																																																																																							
MBTP-2078	Botany Practicals II	C	6	0-0-3	3	100	-	70	30	6																																																																																																							
MBTI-2079	Summer Training	C		0-0-2	2	Satisfactory/Not satisfactory																																																																																																											
		<table><tr><th colspan="11">Master of Science (Botany) Semester-III Session: 2025-26</th></tr><tr><th rowspan="2">Course Code</th><th rowspan="2">Course Title</th><th rowspan="2">Cour se Type</th><th rowspan="2">Hou rs/w eek</th><th rowspan="2">Credi ts L-T- P</th><th rowspan="2">Tota l Cre dits</th><th colspan="4">Marks</th><th rowspan="2">Examina tion time (in Hours)</th></tr><tr><th>Tota l</th><th>L</th><th>P</th><th>CA</th></tr></table>										Master of Science (Botany) Semester-III Session: 2025-26											Course Code	Course Title	Cour se Type	Hou rs/w eek	Credi ts L-T- P	Tota l Cre dits	Marks				Examina tion time (in Hours)	Tota l	L	P	CA																																																																												
Master of Science (Botany) Semester-III Session: 2025-26																																																																																																																	
Course Code	Course Title	Cour se Type	Hou rs/w eek	Credi ts L-T- P	Tota l Cre dits	Marks				Examina tion time (in Hours)																																																																																																							
						Tota l	L	P	CA																																																																																																								

MBTL-3071	Developme ntal Botany	C	3	3-0-0	3	100	70	-		30	3
	Plant Molecular Biology	C	3	3-0-0	3	100	70	-		30	3
	Plant Breeding and IPR	C	3	3-0-0	3	100	70	-		30	3
	Plant Biochemistr y	C	3	3-0-0	3	100	70	-		30	3
	Applied Botany	C	3	3-0-0	3	100	70	-		30	3
	Plant Morphogen esis	C	3	3-0-0	3	100	70			30	3
	Botany Practicals I	C	6	0-0-3	3	100	-	70		30	6
	Botany Practicals II	C	6	0-0-3	3	100	-	70		30	6
	Assignment	C	0	0- 0-0	0	Satisfactory/Not satisfactory					
	Seminar	C	0	1- 0-0	1	50	-	3 5	15	3	
	Student can opt any one of the following Interdisciplinary courses	IDE			4	10 0	7 0		30	3	
Total					24	80 0					

Master of Science (Botany) Semester -IV Session: 2025-26											
Course Code	Course Title	Course Type	Hours /week	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)	No . of Lectures
						Total	L	P	CA		
MBTL-4071	Plant Anatomy	C	3	3-0-0	3	100	70	-	30	3	6
MBTL-4072	Structure and Metabolism of Plant Hormones	C	3	3-0-0	3	100	70	-	30	3	6
MBTL-4073	Plant Tissue Culture and Biotechnology	C	3	3-0-0	3	100	70	-	30	3	6
MBTL-4074	Analytical Techniques	C	3	3-0-0	3	100	70	-	30	3	6
MBTL-4075	Diversity and Biology of Angiosperms	C	3	3-0-0	3	100	70	-	30	3	6
MBTL-4076 (Opt-I/II)	Optional Paper**	IE	3	3-0-0	3	100	70		30	3	4
MBTP-4077	Botany practical I	C	6	0-0-3	3	100	-	70	30	3	9
MBTP-4078	Botany practical II	C	4	0-0-2	3	50	-	35	15	3	6
MBTF-4079	Field Study	C	-	0-1-0	1	Satisfactory/Not satisfactory					
MBTD-4070	Research Techniques/ Research Project	C	3	0-0-1	1	50	-	35	15	-	3

		<table> <tr> <td>Total</td><td>24</td><td>80 0</td><td></td></tr> </table>	Total	24	80 0		
Total	24	80 0					
		**Student can opt only one paper from the two optional papers. List of Optional Papers 1. MBTL-4076(I) Hazardous Chemicals 2. MBTL-4076 (II) Immunology					
<u>Item No.:</u> <u>BOS-10-2025-7</u>	To discuss and approve list of proposed examiners for above stated courses for session 2025-26.	1. The chairperson discussed the Examiners and Evaluators for Botany papers in Bachelor of Science (Medical) Semester I-VI, Bachelor of Science (Biotechnology) Semester I & IV, Bachelor of Science (Home Science) Semester V and Master of Science (Botany) Semester I-IV with the members and they approved it.	Suggestions implemented.				
<u>Item No.:</u> <u>BOS-10-2025-8</u>	To discuss research inputs and plans of department for session 2025-26.	1. The Chairperson briefed the committee members on the various research initiatives undertaken by the department. She emphasized that the department is well-equipped with advanced scientific instruments, including a refrigerated centrifuge, spectrophotometer, seed germination chamber, deep freezer, and autoclave, among others—acquired through project grants such as CURIE, DBT Star College, CPE, and FIST from DST. Faculty members have actively participated in numerous conferences, Faculty Development Programs (FDPs), as well as induction and refresher courses	Suggestions implemented.				

		conducted by various institutions to enhance their academic and professional competence.	
<u>Item No.:</u> <u>BOS-10-2025-9</u>	To discuss teaching methodologies adopted in department and inputs required to upgrade the same.	1. The Chairperson briefed the committee on the department's adoption of innovative teaching methods, including ICT-based videos, projects, and seminars, which have enhanced students' critical and creative thinking. Teaching effectiveness is maintained through a blended mode of in-person and online instruction, ensuring timely syllabus completion by all faculty members. The department also implements student-centric initiatives such as peer mentoring, group discussions, faculty-guided mentoring, and extra classes for academically weaker students. Smart classrooms, digital resources, and demonstrations aid in simplifying complex concepts. Regular extension lectures by eminent national and international speakers further enrich learning. Additionally, the department conducts lab visits, PowerPoint competitions, quizzes, workshops, and educational trips to support holistic student development and foster scientific curiosity.	Suggestions implemented.
<u>Item No.:</u> <u>BOS-10-2025-10</u>	To discuss the outcome of above stated courses and programs.	1. The course outcomes of above stated courses and programmes were discussed and approved by members of Board of studies.	Suggestions implemented.
<u>Item No.:</u> <u>BOS-10-2025-11</u>	To discuss attainment report of December 2024.	1. The attainment report of December 2024 of B.Sc. Medical (Sem. I, III & V), B.Sc. Biotechnology (Sem. I & III), B.Sc. Home Science (Sem. V) and M.Sc. Botany (Sem. I & III) was discussed and appreciated by members of Board of Studies.	Suggestions implemented.

The house approved the item BOT: 2025:10:1.

Item: BOT: 2025:10:2 To discuss the proposed syllabus of Botany in **Bachelor of Science (Medical)/Honours Semester I -IV** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment under NEP 2020 for the session 2025-26.

Proceedings: The proposed syllabus of Botany in **Bachelor of Science (Medical)/Honours Semester I -IV** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment under NEP 2020 for the session 2025-26 was discussed with Board members and was approved. The scheme is 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) • Chemistry (Inorganic Chemistry-I) • Chemistry (Inorganic Chemistry-I: Lab) • Botany (Diversity of Cryptogams) • Botany (Diversity of Cryptogams : Lab)	4-0-2 4-0-2 4-0-2
Compulsory Course	• Punjabi(Compulsory-I) • ¹BasicPunjabi-I • ²Punjab History and Culture (From Earliest Time to C 320)	4-0-0
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) • Chemistry (Organic Chemistry-I) • Chemistry (Organic Chemistry-I: Lab) • Botany (Cell Biology and Genetics) • Botany (Cell Biology and Genetics: Lab)	4-0-2 4-0-2 4-0-2
Compulsory course	• Punjabi(Compulsory-2) • ¹BasicPunjabi-2 • ²Punjab History and Culture (C 320 to 1000 A.D.)	4-0-0
Multi-Disciplinary Course	Appreciating English Literature-1	4-0-0
Skill Enhancement Course	Chemistry (Spectroscopic Methods)/Aquaculture/Medicinal Botany	2-0-1
Value Added Course	Drug Abuse: problem, management and prevention (Compulsory-1)	2-0-0

		Total Credits-31
	SEMESTER-III	
Discipline Specific Courses	• Zoology (Diversity of Chordates) • Chemistry (Physical Chemistry-I) • Chemistry (Physical Chemistry-I: Lab) • Botany (Diversity of Phanerogams) • Botany (Diversity of Phanerogams: Lab)	4-0-2 4-0-2 4-0-2
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) • Chemistry (Inorganic Chemistry-II) • Chemistry (Inorganic Chemistry-II: Lab) • Botany (Structure, Development and Reproduction in Flowering Plants) • Botany (Structure, Development and Reproduction in Flowering Plants: Lab)	4-0-2 4-0-2 4-0-2
Compulsory course	• Punjabi(Compulsory-4) • ¹BasicPunjabi-4 • ²Punjab History and Culture (From 1605 to 1849 A.D.)	4-0-0
Multi-Disciplinary Course	Appreciating English Literature-2	4-0-0
Skill Enhancement Course	Chemistry (Spectroscopic Methods)/Medicinal Botany	3-0-0
Value Added Course	Environmental Studies (Compulsory)	2-0-0
		Total Credits: 31
	SEMESTER-V	
Discipline Specific Courses	• Zoology (Biomolecules) • Chemistry (Organic Chemistry-II) • Chemistry (Organic Chemistry-II) • Botany (Plant Physiology and Biochemistry) • Botany (Plant Physiology and Biochemistry: Lab)	4-0-2 4-0-2 4-0-2
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) • Chemistry (Physical Chemistry-II) • Chemistry (Physical Chemistry-II) • Botany (Ecology) • Botany (Ecology: Lab)	4-0-2 4-0-2 4-0-2
Compulsory course	• Punjabi(Compulsory-6) • ¹BasicPunjabi-6 • ²PunjabHistoryand 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)/Medical Lab Technology/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 • Chemistry (Organic Chemistry-IV) • Chemistry (Inorganic Chemistry-III) • Chemistry (Physical Chemistry-IV) • Chemistry (Organic Chemistry-III: Lab) • Chemistry (Physical Chemistry-III: Lab)	3-0-0 3-0-0 3-0-0 3-0-0 0-0-2 0-0-2
Discipline Specific Courses B.Sc. (Honours) Botany	• Phycology • Phycology Lab • Fungi and Plant Pathology • Fungi and Plant Pathology Lab • Bryology • Bryology Lab • Pteridology • Pteridology Lab	4-0-0 0-0-1 4-0-0 0-0-1 4-0-0 0-0-1 4-0-0 0-0-1
Discipline Specific Courses B.Sc. (Honours) Zoology	• Functional Organisation of Animals- I • Functional Organisation of Animals- I Lab • Biochemistry • Biochemistry Lab • Developmental Biology • Developmental Biology Lab • Genetics • Genetics Lab	3-0-0 0-0-1 3-0-0 0-0-1 3-0-0 0-0-1 3-0-0 0-0-1
Minor B.Sc. (Honours) Chemistry B.Sc. (Honours) Botany	Synthesis and characterization of materials Genetics and Evolution	4-0-0 3-0-0 0-0-1 3-0-0

B.Sc. (Honours) Zoology	Genetics and Evolution Lab Ecology Ecology Lab	0-0-1
Internship	Summer Internship/ Community Outreach/ Field Study	0-0-2
		Total Credits: 22
	SEMESTER-VIII	
Discipline Specific Courses Chemistry	- Chemistry (Inorganic Chemistry-IV) - Chemistry (Organic Chemistry-V) - Chemistry (Inorganic Chemistry-V) - Chemistry (Physical Chemistry-V) - Chemistry (Inorganic Chemistry-III)	4-0-0 4-0-0 3-0-0 3-0-0 0-0-2
Discipline Specific Courses Botany	- Diversity and Biology of Gymnosperms - Diversity and Biology of Gymnosperms Lab - Diversity and Biology of Angiosperms - Diversity and Biology of Angiosperms Lab - Plant Breeding - Plant Breeding Lab - Plant Metabolism - Plant Metabolism Lab	4-0-0 0-0-1 4-0-0 0-0-1 4-0-0 0-0-1 4-0-0 0-0-1
Discipline Specific Courses B.Sc. (Honours) Zoology	- Functional Organisation of Animals- II - Functional Organisation of Animals- II Lab - 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 3-0-0 0-0-1
Minor B.Sc. (Honours) Chemistry B.Sc. (Honours) Botany B.Sc. (Honours) Zoology	Chemistry (Atomic and molecular spectroscopy) Applied Botany Applied Botany Lab Medical Zoology Medical Zoology Lab	4-0-0 3-0-0 0-0-1 3-0-0 0-0-1
		Total Credits: 20

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

**SCHEME AND CURRICULLUM OF EXAMINATIONS OF FOUR-YEAR DEGREE
PROGRAM**

Bachelor of Science (Medical)/Honours

Session 2025-2026

B.Sc (Medical) Semester I

Course Code	Course Name	Course Type	Credits	Total Marks	Ext.		CA	Examination Time (in Hours)
					L	P		
BSML-1421 BSML-1031 BSML-1431	Punjabi (Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	4	100	70	-	30	3
BSML-1212	English Language Skills-1	AEC	4	100	70		30	3
BSML-1483	Zoology (Diversity of Nonchordates- I) (Protozoa - Annelida)	DSC	4	100	70		30	3
BSMP-1483	Nonchordates- I Lab		2	50	--	35	15	3
BSML-1084	Chemistry (Inorganic Chemistry-I: Atomic Structure and Periodic Table)	DSC	4	100	70		30	3
BSMP-1084	Inorganic Chemistry-I: Lab Qualitative Analysis		2	50	--	35	15	3
BSML-1075	Botany (Diversity of Cryptogams)	DSC	4	100	70		30	3
BSMP-1075	Diversity of Cryptogams Lab		2	50	--	35	15	3
*VACF-1491	Foundation Course	VAC	2	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.

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

B.Sc. (Medical) Semester II								
Course Code	Course Name	Course Type	Credits	Total Marks	Ext.		CA	Examination Time (in Hours)
					L	P		
BSML-2421 BSML-2031	Punjabi (Compulsory) ¹ Basic Punjabi	C	4	100	70	-	30	3

BSML-2431	² Punjab History and Culture							
BSML-2212	English Language And Literature-1	MDC	4	100	70		30	3
BSML- 2483	Zoology (Diversity of Nonchordates- II) (Arthropoda - Hemichordata)	DSC	4	100	70		30	3
BSMP-2483	Nonchordates- II Lab		2	50	--	35	15	3
BSML-2084	Chemistry (Organic Chemistry-I: Hydrocarbons and alkyl Halides)	DSC	4	100	70		30	3
BSMP-2084	Organic Chemistry-I: Lab Functional group analysis		2	50	--	35	15	3
BSML-2075	Botany (Cell Biology and Genetics)	DSC	4	100	70		30	3
BSMP-2075	Cell Biology and Genetics Lab		2	50	--	35	15	3
BSMM-2080/ BSMM -2480/ BSMM -2070	Chemistry/ Aquaculture/ Medicinal Botany	SEC	3	100	50	20	30	3+3
VACD- 2161	*Drug Abuse: Problem, Management and Prevention (Compulsory)	VAC	2	50	35	--	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.

** 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

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR YEAR DEGREE PROGRAMME
Bachelor of Science (Medical)
Session-2025-26

Bachelor of Science (Medical)/ Honours Semester-III								
Course Code	Course Name	Course Type	Credits	Total Marks	ESE		CA	Examination time (in Hours)
					L	P		

BSML-3421 BSML-3031 BSML-3431	Punjabi (Compulsory) 1Basic Punjabi 2Punjab History and Culture (From Earliest Times To C 320)	C	4-0-0	100	70	-	30	3
BSML-3212	English Language Skills- II	AEC	4-0-0	100	70		30	3
BSML-3483	Zoology (Diversity of Chordates)	DSC	4-0-0	100	70		30	3
BSMP-3483	Diversity of Chordates Laboratory		0-0-2	50		35	15	3
BSML-3084	Chemistry –I (Physical states of Matter and Electrochemistry)	DSC	4-0-0	100	70		30	3
BSMP-3084	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	Diversity of Phanerogams-Lab		0-0-2	50		35	15	3
*VACG-3531	Gender Sensitization	VAC	2-0-0	50	35		15	1

¹ Special paper in lieu of Punjabi (Compulsory) for those who have not studied Punjabi .

² Special 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/ Programme and only grades will be provided.

C- Compulsory

AEC-Ability Enhancement Course

DSC-Discipline Specific Course

VAC-Value Added Course

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR YEAR DEGREE PROGRAMME
Bachelor of Science (Medical)/ Honours
Session-2025-26

Bachelor of Science (Medical)/ Honours Semester-IV								
Course Code	Course Name	Course Type	Credits	Total Marks	ESE		CA	Examination time (in Hours)
					L	P		
BSML-4421 BSML -4031 BSML -4431	Punjabi (Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	4-0-0	100	70	-	30	3
BSML -4212	Appreciating English Literature –II	MDC	4-0-0	100	70		30	3
BSML -4483	Zoology (Cell Biology)	DSC	4-0-0	100	70		30	3
BSMP -4483	Cell Biology-Lab		0-0-2	50		35	15	3

BSML -4084	Inorganic Chemistry-II (Periodic Table and Coordination)	DSC	4-0-0	100	70		30	3
BSMP -4084	Inorganic Chemistry-II Lab		0-0-2	50		35	15	3
BSML -4075	Botany (Structure, Development and Reproduction in Flowering Plants)	DSC	4-0-0	100	70		30	3
BSMP -4075	Structure, Development And Reproduction In Flowering Plants –Lab		0-0-2	50		35	15	3
**BSMM-2080/ BSMM -2480/ BSMM -2070	Chemistry/ Aquaculture/ Medicinal Botany	SEC	3-0-0	100	70		30	3
*VACE-4221	Environment studies (Compulsory)	VAC	2-0-0	50	20	15	15	3

¹ Special paper in lieu of Punjabi (Compulsory) for those who have not studied Punjabi .

² Special 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/ Programme and only grades will be provided.

** Student Can opt any one of the given course

C- Compulsory

MDC- Multi Disciplinary Course

DSC-Discipline Specific Course

SEC- Skill Enhancement Course

VAC-Value Added Course

The house approved the item BOT: 2025:10:2.

Item: BOT: 2025:10:3 To discuss the syllabus of Botany in **Bachelor of Science (Biotechnology) Semester I and IV** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment under NEP 2020 for the session 2025-26.

Proceedings: The syllabus of Botany in **Bachelor of Science (Biotechnology) Semester I and IV** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment under NEP 2020 for the session 2025-26 was discussed with Board members and was approved. The scheme is as follows:

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR YEAR DEGREE PROGRAMME
Bachelor of Science (Hons.) Biotechnology Semester-I
(Session 2025-2026)
Botany-I

Course Code	Course Title	Course Type	Credits	Total Credits	L	P	CA	Marks
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			L	T	P					
BBTM-1074	Botany-I	C	4	0	1	4	50	20	30	100

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR YEAR DEGREE PROGRAMME
Bachelor of Science (Hons.) Biotechnology Semester-IV
 (Session 2025-2026)

Botany-II

Course Code	Course Title	Course Type	Credits			Total Credits	L	P	CA	Marks
			L	T	P					
BBTM-4074	Botany-II	C	3	0	1	4	50	20	30	100

The house approved the item BOT: 2025:10:3.

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

Proceedings: The proposed syllabus of Botany in **Bachelor of Science (Medical) Semester V - VI** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26 was discussed with Board members and was approved. The scheme is as follows:

Kanya Mahavidyalaya, Jalandhar

SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE-YEAR DEGREE PROGRAMME

Bachelor of Science (Medical) 2025-26

Bachelor of Science (Medical) Semester –V

Bachelor of Science (Medical) Semester –V											
Course Name	Program Name	Course Code	Course Type	Total Marks	Marks				CA		Exam Time In Hrs
					Paper	Credits	Ext.				
						L-T-P	L	P			
Botany	Bachelor of Science (Medical)	BSMM- 5075(I)	C	50	Plant Physiology	2-0-0	40		10	3	
		BSMM- 5075 (II)		75	Biochemistry &Biotechnology	3-0-0	60		15	3	
		BSMM- 5075 (P)		50	Practical (Based on Papers–I and II)	0-0-2		40	10	3	

Bachelor of Science (Medical) Semester –VI

Course Name	Program Name	Course Code	Course Type	Total Marks	Marks					
					Paper	Credits	Ext.			
						L-T-P	L	P	CA	Exam Time In Hrs
Botany	Bachelor of Science (Medical)	BSMM-6075 (I)	C	50	Ecology	2-0-0	40		10	3
		BSMM- 6075(II)		75	Economic Botany	3-0-0	60		15	3
		BSMM- 6075 (P)		50	Practical (Based on Papers–I and II)	0-0-2		40	10	3

The house approved the item BOT: 2025:10:4.

Item: BOT: 2025:10:5 To discuss the proposed syllabus of Botany in **Bachelor of Science (Home Science)** Semester V under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26.

Proceedings: The proposed syllabus of Botany in **Bachelor of Science (Home Science)** Semester V under Credit Based Continuous Evaluation Grading System (CBCEGS) with 20% internal assessment for the session 2025-26 was discussed with Board members and was approved. The scheme is as follows:

**KANYA MAHA VIDYALAYA, JALANDHAR (AUTONOMOUS)
SCHEME AND CURRICULUM OF EXAMINATIONS OF THREE-YEAR DEGREE PROGRAMME**

Bachelor of Science (Home Science) Semester-V (Session: 2025-2026)

Semester V										
Course Code	Course Name	Course Type	Hours Per Week L-T-P	Credits L-T-P	Total	Marks				Examination time (in Hours)
						Total	Ext.		CA	
							L	P		
BHSM- 5077	Applied Botany And Home Gardening	C	3-0-2	3-0-1	4	100	60	20	20	3+3

The house approved the item BOT: 2025:10:5.

Item: BOT: 2025:10:6 To discuss the proposed syllabus of Botany in **Master of Science (Botany) Semester I - IV** under Credit Based Continuous Evaluation Grading system with 30% internal assessment for the session 2025-26.

Proceedings: The syllabus of Botany in **Master of Science (Botany) Semester I - IV** under Credit Based Continuous Evaluation Grading system with 30% internal assessment for the session 2025-26 (CBCEGS) was discussed with Board members and was approved. Following points were highlighted and approved.

- It was decided to give 2 credits to summer training in **Master of Science (Botany) Semester II.** These credits will not be added in SGPA/CGPA of the semester Program and only grades will be provided.

- It was also recommended to introduce a one-credit seminar along with an assignment in the third semester of the Master of Science (Botany) program.
- It was also suggested to split the course title Field Study and Research Techniques into two papers titled **Field study and Research Techniques/Research Project** to give due credit to these courses.

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO-YEAR DEGREE PROGRAMME
Master of Science (Botany) Semester-I
Session: 2025-26

Course Code	Course Title	Course Type	Hours /Week	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	P	CA	
MBTL-1071	Fungi and Plant Pathology	C	3	3-0-0	3	100	70	-	30	3
MBTL-1072	Phycology	C	3	3-0-0	3	100	70	-	30	3
MBTL-1073	Bryology	C	3	3-0-0	3	100	70	-	30	3
MBTL-1074	Plant Physiology	C	3	3-0-0	3	100	70	-	30	3
MBTL-1075	Genetics and Evolution	C	3	3-0-0	3	100	70	-	30	3
MBTL-1046	Computer Applications and Bioinformatics	IC	3	3-0-0	3	100	70	-	30	3
MBTP-1077	Botany Practicals I	C	6	0-0-3	3	100	-	70	30	6
MBTP-1078	Botany Practicals II	C	6	0-0-3	3	100	-	70	30	6
Student can opt any one of the following Interdisciplinary optional courses		IDE			4	100	70		30	3
Total					24	800				
IDEC-1101 IDEM-1362 IDEH-1313 IDEI-1124 IDEW-12100				Effective Communication Skills Basics of Music (Vocal) Human Rights and Constitutional Duties Basics of Computer Applications Indian Heritage: Contribution to the world (Credits of these courses will not be added to SGPA)						

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO-YEAR DEGREE PROGRAMME
Master of Science (Botany) Semester-II
Session: 2025-26

Course Code	Course Title	Course Type	Hours/week	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	L	P	CA	
MBTL-2071	Pteridology	C	3	3-0-0	3	100	70	-	30	3
MBTL-2072	Diversity and Biology of Gymnosperms	C	3	3-0-0	3	100	70	-	30	3
MBTL-2073	General Microbiology	C	3	3-0-0	3	100	70	-	30	3
MBTL-2074	Cell Biology	C	3	3-0-0	3	100	70	-	30	3
MBTL-2075	Ecological Modelling and Forest Ecology	C	3	3-0-0	3	100	70	-	30	3
MBTL-2336	Theoretical Biology	IC	3	3-0-0	3	100	70	-	30	3
MBTP-2077	Botany Practicals I	C	6	0-0-3	3	100	-	70	30	6
MBTP-2078	Botany Practicals II	C	6	0-0-3	3	100	-	70	30	6
MBTI-2079	Summer Training	C		0-0-2	2	Satisfactory/Not satisfactory				
Total					26	800				

Kanya Mahavidyalaya, Jalandhar
SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO-YEAR DEGREE PROGRAMME
Master of Science (Botany) Semester-III
Session: 2025-26

Course Code	Course Title	Course Type			Total Credits	Marks				Examination time (in Hours)
			Hours/week	Credits L-T-P		Total	Th.	P	CA	
MBTL-3071	Developmental Botany	C	3	3-0-0	3	100	70	-	30	3
MBTL-3072	Plant Molecular Biology	C	3	3-0-0	3	100	70	-	30	3
MBTL-3073	Plant Breeding and IPR	C	3	3-0-0	3	100	70	-	30	3
MBTL-3074	Plant Biochemistry	C	3	3-0-0	3	100	70	-	30	3
MBTL-3075	Applied Botany	C	3	3-0-0	3	100	70	-	30	3
MBTL-3076	Plant Morphogenesis	C	3	3-0-0	3	100	70		30	3
MBTP-3077	Botany Practicals I	C	6	0-0-3	3	100	-	70	30	6
MBTP-3078	Botany Practicals II	C	6	0-0-3	3	100	-	70	30	6
MBTP- 3079	Assignment	C	0	0-0-0	0	Satisfactory/Not satisfactory				
MBTP- 3070	Seminar	C	0	1-0-0	1	50	-	35	15	3
Student can opt any one of the following Interdisciplinary courses		IDE			4	100	70		30	3
Total					25	850				
IDEC-1101 IDEM-1362 IDEH-1313 IDEI-1124 IDEW-1275			Effective Communication Skills Basics of Music (Vocal) Human Rights and Constitutional Duties Basics of Computer Applications Indian Heritage: Contribution to the world (Credits of these courses will not be added to SGPA)							

Course Code	Course Title	Course Type	Hours/week	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)	No. of Lectures
						Total	L	P	CA		
MBTL-4071	Plant Anatomy	C	3	3-0-0	3	100	70	-	30	3	6
MBTL-4072	Structure and Metabolism of Plant Hormones	C	3	3-0-0	3	100	70	-	30	3	6
MBTL-4073	Plant Tissue Culture and Biotechnology	C	3	3-0-0	3	100	70	-	30	3	6
MBTL-4074	Analytical Techniques	C	3	3-0-0	3	100	70	-	30	3	6
MBTL-4075	Diversity and Biology of Angiosperms	C	3	3-0-0	3	100	70	-	30	3	6
MBTL-4076 (Opt-I/II)	Optional Paper**	IE	3	3-0-0	3	100	70		30	3	4
MBTP-4077	Botany practical I	C	6	0-0-3	3	100	-	70	30	3	9
MBTP-4078	Botany practical II	C	4	0-0-2	2	50	-	35	15	3	6
MBTF-4079	Field Study	C	-	0-1-0	1	Satisfactory/Not satisfactory					
MBTD-4070	Research Techniques/ Research Project	C	3	0-0-1	1	50	-	35	15	-	3
Total					25	800					

****Student can opt only one paper from the two optional papers.**

List of Optional Papers

- 1. MBTL-4076(I) Hazardous Chemicals**
- 2. MBTL-4076 (II) Immunology**

The house approved the item BOT: 2025:10:6.

Item: BOT: 2025:10:7 To discuss and approve list of proposed examiners for above stated courses for session 2025-26.

Proceedings: The chairperson discussed the Examiners and Evaluators for Botany papers in Bachelor of Science (Medical) Semester I-VI, Bachelor of Science (Biotechnology) Semester I & IV, Bachelor of Science (Home Science) Semester V and Master of Science (Botany) Semester I-IV with the members and they approved it.

The house approved the item BOT: 2025:10:7.

Item: BOT: 2025:10:8 To discuss research inputs and plans of department for session 2025-26.

Proceedings: The Chairperson briefed the committee members on the various research initiatives undertaken by the department. She emphasized that the department is well-equipped with advanced scientific instruments, including a refrigerated centrifuge, spectrophotometer, seed germination chamber, deep freezer, and autoclave, among others—acquired through project grants such as CURIE, DBT Star College, CPE, and FIST from DST. Faculty members have actively participated in numerous conferences, Faculty Development Programs (FDPs), as well as induction and refresher courses conducted by various institutions to enhance their academic and professional competence.

The house approved the item BOT: 2025:10:8.

Item: BOT: 2025:10:9 To discuss teaching methodologies adopted in department and inputs required to upgrade the same.

Proceedings: The Chairperson briefed the committee on the department's adoption of innovative teaching methods, including ICT-based videos, projects, and seminars, which have enhanced students' critical and creative thinking. Teaching effectiveness is maintained through a blended mode of in-person and online instruction, ensuring timely syllabus completion by all faculty members. The department also implements student-centric initiatives such as peer mentoring, group discussions, faculty-guided mentoring, and extra classes for academically weaker students. Smart classrooms, digital resources, and demonstrations aid in simplifying complex concepts. Regular extension lectures by eminent national and international speakers further enrich learning. Additionally, the department conducts lab visits, PowerPoint competitions, quizzes, workshops, and educational trips to support holistic student development and foster scientific curiosity.

The house approved the item BOT: 2025:10:9.

Item: BOT: 2025:10:10 To discuss the outcome of above stated courses and programs.

Proceedings: The course outcomes of above stated courses and programmes were discussed and approved by members of Board of studies.

The house approved the item BOT: 2025:10:10.

Item: BOT: 2025:10:11 To discuss attainment report for the Session 2023-24.

Proceedings: The attainment report for the academic session 2023–24 for B.Sc. Medical and M.Sc. Botany was reviewed and positively acknowledged by the members of the Board of Studies.

The house approved the item BOT: 2025:10:11.

After discussing all the Agendas, the BOS meeting was summed up by Mrs. Shikha Vashisht and Vote of Thanks were given.

(Chairperson)

Mrs. Shikha Vashisht

Head,

Department of Botany