

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



**Minutes of 11th Meeting of Board of Studies
Department of Botany**

Date: 12-06-2026

Time: 10:00 A.M

Venue: Online (Through Google Meet)

KANYA MAHA VIDYALAYA, JALANDHAR
(UGC Autonomous College)
P.G Department of Botany
Attendance of the 11th Meeting of Board of studies

The 11th Meeting of Board of Studies was held on 12th June 2026 at 10:00 am in on-line mode via Google meet.

The following members of the Board of Studies attended the meeting:

1.	Mrs. Shikha Vashisht , Head, Department of Botany, Kanya Maha Vidyalaya, Jalandhar, Punjab	Chairperson
2.	Dr. Rajinder Kaur , Head & Professor, Department of Botanical and Environment Sciences, GNDU, Amritsar	University Nominee
3.	Dr. M.C. Sidhu, Professor & Head, Department of Botany, Panjab University Chandigarh	External Expert
4.	Dr. Renuka Agrawal, Assistant Professor, Department of Botany, Miranda House, University of Delhi	External Expert
5.	Dr. Sukhjeet Singh Cheema, M.D. Pukhraj Organic India Pvt. Ltd., Jalandhar, Punjab	Industrial Representative
6.	Ms. Naincy, Research Scholar, GNDU, Amritsar	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
Proceedings of 11th Meeting of Board of Studies

The Chairperson, Mrs. Shikha Vashisht, extended a warm welcome and introduced the members of the 11th 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: 2026:11:1 To discuss and approve the proceedings of Tenth BOS held on 29th May 2025 and Action Taken Report.

Proceedings: The Chairperson sent the proceedings of the previous Board of Studies meeting held on 29th May 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 Google 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 BSML-1031 BSML-1431</td><td>Punjabi (Compulsory) ¹Basic Punjabi ²Punjab History and Culture</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-1212</td><td>English Language Skills-1</td><td>AEC</td><td>4</td><td>100</td><td>70</td><td></td><td>30</td><td>3</td></tr><tr><td>BSML-1483</td><td>Zoology (Diversity of Nonchordates-</td><td>DSC</td><td>4</td><td>100</td><td>70</td><td></td><td>30</td><td>3</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 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-	DSC	4	100	70		30	3	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 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-	DSC	4	100	70		30	3																																										

	I) (Protozoa - Annelida)							
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

B.Sc. (Medical) Semester II								
Course Code	Course Name	Cour se Type	Cred its	Tot al Ma rks	Ext.		CA	Exa mina tion Time (in Hour
					L	P		

										s)
BSML-2421	Punjabi (Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	4	100	70	-	30	3		
BSML-2031										
BSML-2431										
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		

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 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

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
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		0-0-1	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

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

<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. <table><tr><th colspan="11">Bachelor of Science (Hons.) Biotechnology Semester-I</th></tr><tr><th rowspan="2">Course Code</th><th rowspan="2">Course Title</th><th rowspan="2">Course Type</th><th colspan="3">Credits</th><th rowspan="2">Total Credits</th><th rowspan="2">L</th><th rowspan="2">P</th><th rowspan="2">CA</th><th rowspan="2">Marks</th></tr><tr><th>L</th><th>T</th><th>P</th></tr><tr><td>BBTM-1074</td><td>Botany-I</td><td>C</td><td>4</td><td>0</td><td>1</td><td>4</td><td>50</td><td>20</td><td>30</td><td>100</td></tr></table> <table><tr><th colspan="11">Bachelor of Science (Hons.) Biotechnology Semester-IV</th></tr><tr><th rowspan="2">Course Code</th><th rowspan="2">Course Title</th><th rowspan="2">Course Type</th><th colspan="3">Credits</th><th rowspan="2">Total Credits</th><th rowspan="2">L</th><th rowspan="2">P</th><th rowspan="2">CA</th><th rowspan="2">Marks</th></tr><tr><th>L</th><th>T</th><th>P</th></tr><tr><td>BBTM-4073</td><td>Botany-II</td><td>C</td><td>3</td><td>0</td><td>1</td><td>4</td><td>50</td><td>20</td><td>30</td><td>100</td></tr></table>	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	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><thead><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 colspan="2" rowspan="2"></th></tr><tr><th rowspan="2">Paper</th><th>Credits</th><th colspan="2">Ext.</th></tr><tr><th>L-T-P</th><th>L</th><th>P</th><th>C A</th><th>Exam Time In Hrs</th></tr></thead><tbody><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 & Biotecnology</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></tbody></table> <table><thead><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 colspan="2" rowspan="2"></th></tr><tr><th rowspan="2">Paper</th><th>Credits</th><th colspan="2">Ext.</th></tr><tr><th>L-T-P</th><th>L</th><th>P</th><th>C A</th><th>Exam Time In Hrs</th></tr></thead><tbody></tbody></table>	Bachelor of Science (Medical) Semester –V											Course Name	Program Name	Course Code	Course Type	Total Marks	Marks						Paper	Credits	Ext.		L-T-P	L	P	C A	Exam Time In Hrs	Botany	Bachelor of Science (Medical)	BSMM - 5075(I)	C	50	Plant Physiology	2-0-0	40		10	3	BSMM - 5075 (II)	75	Biochemistry & Biotecnology	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	C A	Exam Time In Hrs	The approved syllabus is executed
Bachelor of Science (Medical) Semester –V																																																																																												
Course Name	Program Name	Course Code	Course Type	Total Marks	Marks																																																																																							
					Paper	Credits	Ext.																																																																																					
						L-T-P	L	P	C A	Exam Time In Hrs																																																																																		
Botany	Bachelor of Science (Medical)	BSMM - 5075(I)	C	50	Plant Physiology	2-0-0	40		10	3																																																																																		
		BSMM - 5075 (II)		75	Biochemistry & Biotecnology	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	C A	Exam Time In Hrs																																																																																		

		<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																																

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 Cred its</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 Cred its	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 Cred its	Marks				Examina tion time (in Hours)																																																																																																						
						Tota l	L	P	CA																																																																																																							

MBTL-3071	Developmental 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 Biochemistry	C	3	3-0-0	3	100	70	-			30	3
	Applied Botany	C	3	3-0-0	3	100	70	-			30	3
	Plant Morphogenesis	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	100	70		30	3	
Total					24	800						

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></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	Suggestions implemented.			

		(FDPs), as well as induction and refresher courses conducted by various institutions to enhance their academic and professional competencies.	
<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.

Item: BOT: 2026:11:2 To discuss the proposed syllabus of Botany in **Bachelor of Science (Medical) Semester I -VI** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment under NEP 2020 for the session 2026-27.

Proceedings:

The proposed syllabus of Botany in **Bachelor of Science (Medical) /Honours Semester I -VI** under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment under NEP 2020 for the session 2026-27 was discussed with Board members and was approved. It was decided to introduce internship component in Semester V to enhance the practical skills of B.Sc. Medical students. Accordingly, from the academic session 2026–27, the Department of Botany has implemented internship for B.Sc. Medical (Honours) Semester V students.

The semester wise scheme is as follows:

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULLUM OF EXAMINATIONS OF FOUR-YEAR DEGREE PROGRAM

**Bachelor of Science (Medical)(Honours)
Session 2026-2027**

B.Sc. (Medical) (Honours) 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 2026-2027**

B.Sc. (Medical) (Honours)Semester II								
Course Code	Course Name	Course Type	Credits	Total Marks	Ext.		CA	Examination Time (in Hours)
					L	P		
BSML-2421 BSML-2031 BSML-2431	Punjabi (Compulsory) ¹ Basic Punjabi ² Punjab History and Culture	C	4	100	70	-	30	3
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) (Honours)
Session 2026-27

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 2026-27

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

Kanya Maha Vidyalaya, Jalandhar (Autonomous)
SCHEME AND CURRICULUM OF EXAMINATIONS OF FOUR-YEAR DEGREE PROGRAMME
Bachelor of Science (Medical)(Honours)
Session-2026-27

Bachelor of Science (Medical)(Honours) Semester-V								
Course Code	Course Name	Course Type	Credits	Total Marks	ESE		CA	Examination time (in Hours)
					L	P		
BSML-5421 BSML-5031 BSML-5431	Punjabi (Compulsory) 1Basic Punjabi 2Punjab History and Culture (From 1849 to 1947 A.D.)	C	4-0-0	100	70	-	30	3
BSML-5212	English Language Skills- 3	AEC	4-0-0	100	70		30	3
BSML-5483	Zoology (Biomolecules)	DSC	4-0-0	100	70		30	3
BSMP-5483	Zoology (Biomolecule lab)		0-0-2	50		35	15	3
BSML-5084	Organic Chemistry –II	DSC	4-0-0	100	70		30	3
BSMP-5084	Organic Chemistry-II Lab		0-0-2	50		35	15	3
BSML-5075	Botany (Plant physiology and Biochemistry)	DSC	4-0-0	100	70		30	3
BSMP-5075	Botany (Plant physiology and BiochemistryLab)		0-0-2	50		35	15	3
*VACG-3531	Personality Development	VAC	2-0-0	50	35		15	1
BSMI-5075	Summer Internship		0-0-2	50				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-2026-27

Bachelor of Science (Medical) (Honours) Semester-VI								
Course Code	Course Name	Course Type	Credits	Total Marks	ESE		CA	Examination time (in Hours)
					L	P		
BSML-6421 BSML -6031 BSML -6431	Punjabi (Compulsory-6) ¹ Basic Punjabi-6 ² Punjab History and Culture (From 1947 to 2000 A.D.)	C	4-0-0	100	70	-	30	3
BSML -6212	Appreciating English Literature –III	MDC	4-0-0	100	70		30	3
BSML -6483	Zoology (Animal Physiology)	DSC	4-0-0	100	70		30	3
BSMP -6483	Zoology (Animal Physiology -Lab)		0-0-2	50		35	15	3
BSML -6084	Physical Chemistry-II	DSC	4-0-0	100	70		30	3
BSMP -6084	Physical Chemistry-II Lab		0-0-2	50		35	15	3
BSML -6075	Botany (Plant Ecology)	DSC	4-0-0	100	70		30	3
BSMP -6075	Botany (Plant Ecology Lab)		0-0-2	50		35	15	3
**BSMM-6080/ BSMM -6480/ BSMM -6070	Chemistry (Spectroscopic Methods)/Medical lab Technology / Medicinal Botany	SEC	3-0-0	100	70		30	3
*VACE-6221	Social Outreach/ Human Rights	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: 2026:11:2.

Item: BOT: 2026:11:3 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 2026-27.

Proceedings:

Based on the recommendation of the Board of studies of the Department of Biotechnology, the Botany courses offered in the Bachelor of Science (Biotechnology) programme in Semester I and IV have been shifted to Semester V and VI. Consequently, no Botany course will be offered in the B.Sc. (Biotechnology) programme during the academic session 2026-27.

Item: BOT: 2026:11:4 To discuss the proposed syllabus of Botany in **Bachelor of Science (Home Science)** Semester V under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment under NEP 2020 for the session 2026-27.

Proceedings:

The proposed syllabus of Botany in Bachelor of Science (Home Science) Semester V under Credit Based Continuous Evaluation Grading System (CBCEGS) with 30% internal assessment for the session 2026-27 was discussed with Board members and was approved. The scheme is as follows:

KANYA MAHA VIDYALAYA, JALANDHAR (AUTONOMOUS) SCHEME AND CURRICULUM OF EXAMINATION OF Bachelor of Science Home Science (Three Year Degree Proramme) Bachelor of Science (Honours) Home Science (Four Year Degree Programme) (Session: 2026-2027)										
Bachelor of Science (Honours) Home Science (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- 5075	Applied Botany And Home Gardening	MDC	2-0-2	2-0-1	3	100	50	20	30	3+3

The house approved the item BOT: 2026:11:4.

Item: BOT: 2026:11:5 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 2026-27.

Proceedings: The following changes were recommended by the Board of Studies (BOS) members:

- It was decided to revise the titles of practical courses from Practical I and Practical II in each semester to a continuous sequential numbering system, Practical I-VIII, across the programme, effective from the academic session 2026-2027.
- In M.Sc. Botany Semester I, under Course Code MBTL 1072 (Phycology), Unit III has been revised by replacing the topic "Phaeophyta (*Ectocarpus*, *Laminaria*, *Dictyota*, and *Fucus*), Rhodophyta (*Porphyra*, *Batrachospermum*, and *Polysiphonia*)" with "Comparative account of reproductive diversity, life history patterns, and nutrition; origin and evolution of sex in algae, with reference to Phaeophyta (*Ectocarpus*, *Laminaria*, *Dictyota*, and *Fucus*) and Rhodophyta (*Porphyra*, *Batrachospermum*, and *Polysiphonia*)."
- In M.Sc. Botany Semester I, under Course Code MBTL 1074 (Plant Physiology), the following topics have been added to Unit II under Photosynthesis: light absorption, emission, energy transfer, Z-scheme of photosynthesis, electron transport, photophosphorylation, CO₂ fixation, C₃, C₄ and CAM pathways, and the effect of environmental factors on photosynthesis.
- In M.Sc. Botany Semester I, under Course Code MBTL 1075 (Genetics and Evolution), the following topics have been added to Unit II: Mendelian and Non-Mendelian Inheritance, including the Chromosome Theory of Inheritance, Mendelian laws, gene interactions, and organelle inheritance.
- In M.Sc. Botany Semester II, the title of Course Code MBTL 2336 has been revised from Theoretical Biology to Mathematical Biology.
- In M.Sc. Botany Semester II, under Course Code MBTL 2075 (Ecological Modelling and Forest Ecology), the following topics have been added to Unit IV: Recent amendments and emerging developments in environmental laws and policies.
- In M.Sc. Botany Semester III, under Course Code MBTL 3073 (Plant Breeding and IPR) the following topics have been deleted:
UNIT III: Path analysis, multiple comparison tests, discriminant function analysis, and cluster analysis.
UNIT IV: Mutation, aneuploidy and polyploidy as methods of plant improvement, interspecific and intergeneric hybrids and the role of genetic engineering.
- In M.Sc. Botany Semester IV, the title of Course Code MBTL 4075 has been revised from Diversity and Biology of Angiosperms to Taxonomy of Angiosperm.
- The approved scheme for the session 2026-27 are as follows:

Kanya Maha Vidyalaya, Jalandhar (Autonomous)

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO-YEAR DEGREE PROGRAMME

Master of Science (Botany) Semester-I

Session: 2026-2027

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	C	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					
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: 2026-2027

Course Code	Course Title	Course Type	Hours /Week	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)
						Total	Th	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	Mathematical Biology	C	3	3-0-0	3	100	70	-	30	3
MBTP-2077	Botany Practicals III	C	6	0-0-3	3	100	-	70	30	6
MBTP-2078	Botany Practicals IV	C	6	0-0-3	3	100	-	70	30	6
MBTI-2079	*Summer Training			0-0-2	2	Satisfactory/Not satisfactory				
Total					24					

* Credits/Grade point of this course will not be added in the calculation of SGPA/CGPA.

Kanya Mahavidyalaya, Jalandhar

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO-YEAR DEGREE PROGRAMME

Master of Science (Botany) Semester-III

Session: 2026-2027

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
MBTI - 3079	Assignment	C	0	0-0-0	0	Satisfactory/Not satisfactory				
MBTS- 3070	Seminar	C	2	0-0-1	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)							

Kanya Mahavidyalaya, Jalandhar

SCHEME AND CURRICULUM OF EXAMINATIONS OF TWO-YEAR DEGREE PROGRAMME

Master of Science (Botany) Semester -IV

Session: 2026-2027

Course Code	Course Title	Course Type	Hours/week	Credits L-T-P	Total Credits	Marks				Examination time (in Hours)	
						Total	L	P	CA		
MBTL-4071	Plant Anatomy	C	3	3-0-0	3	100	70	-	30	3	
MBTL-4072	Structure and Metabolism of Plant Hormones	C	3	3-0-0	3	100	70	-	30	3	
MBTL-4073	Plant Tissue Culture and Biotechnology	C	3	3-0-0	3	100	70	-	30	3	
MBTL-4074	Analytical Techniques	C	3	3-0-0	3	100	70	-	30	3	
MBTL-4075	Taxonomy of Angiosperms	C	3	3-0-0	3	100	70	-	30	3	
MBTL-4076 (Opt-II)	Immunology	IE	3	3-0-0	3	100	70	-	30	3	
MBTP-4077	Botany practical I	C	6	0-0-3	3	100	-	70	30	3	
MBTP-4078	Botany practicalII	C	4	0-0-2	2	50	-	35	15	3	
MBTD-4079	Research Techniques/ Research Project	C	2	0-0-1	1	50	-	35	15	3	
MBTF-4070	*Field Study	C	-	0-1-0	1	Satisfactory/ Not satisfactory					
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

***Credits/Grade point of this course will not be added in the calculation of SGPA/CGPA.**

The house approved the item BOT: 2026:11:5.

Item: BOT: 2026:11:6 To discuss and approve list of proposed examiners for above stated courses for session 2026-27.

Proceedings: The chairperson discussed the Examiners and Evaluators for Botany papers in Bachelor of Science (Medical) Semester I-VI, 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: 2026:11:6.

Item: BOT: 2026:11:7 To discuss research inputs and plans of department for session 2026-27.

Proceedings: The Chairperson briefed the committee members on the various research initiatives undertaken by the Department. She highlighted that students have actively participated in national and international conferences, where they presented research papers and secured prizes. Students have also successfully undertaken and submitted research projects. She further informed the committee that the Department is well equipped with advanced scientific instruments, including a refrigerated centrifuge, spectrophotometer, seed germination chamber, deep freezer, and autoclave, procured through prestigious project grants such as CURIE, DBT star College, CPE and DST-FIST. The Chairperson also highlighted that the faculty members have actively participated in national and international conferences, Faculty Development Programmes (FDPs), as well as induction and refresher courses organized by various institutions to continuously enhance their academic and professional competencies.

The house approved the item BOT: 2026:11:7.

Item: BOT: 2026:11:8 To discuss teaching methodologies adopted in department and inputs required to upgrade the same.

Proceedings: The Chairperson informed the committee that the department has adopted innovative and student centric teaching practices, including ICT enabled learning, project based assignments, seminars and interactive classroom activities to promote critical thinking, creativity and active participation among students. Teaching effectiveness is ensured through a blended approach combining face to face and online instruction, facilitating the timely completion of the curriculum by all faculty members. The department also emphasizes personalized learning through peer mentoring, faculty mentoring, group discussions, and remedial classes for academically weaker students. The use of smart classrooms, digital learning resources and practical demonstrations enhances conceptual understanding and makes complex topics more accessible. To further enrich the academic experience, the department regularly organizes extension lectures by distinguished national and

international experts, along with laboratory visits, power point presentation competitions, quizzes, workshops, and educational excursions thereby fostering scientific temper, experiential learning and the holistic development of students.

The house approved the item BOT: 2026:11:8.

Item: BOT: 2026:11:9 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: 2026:11:9.

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

The screenshot shows a Google Meet interface. On the left, a presentation slide titled "Bachelor of Science (Medical) (Honours) Semester-III (Session 2026-2027)" is displayed. The slide content includes the course title "Botany (Diversity of Phanerogams)", course code "BSML-3075", and the word "(THEORY)". Under "Course outcome:-", it states "After passing this course the student will be able to:" followed by four learning objectives (CO1 to CO4) detailing understanding of seed plants, knowledge of botanical nomenclature, understanding of plant diversity, and knowledge of flowering plant families. On the right, a grid of participants is visible, including m. c. Sid..., Botany KMV, Dr. Rajinder Kaur, Dr. Sandeep, and deepika. A "3 others" icon is also present. The bottom of the screen shows a Windows taskbar with the time 10:19 and date 12-06-2026.

10:19 AM | fhc-rsnp-eqz

Microsoft Word - 6.Sc. Medical Sem. I - VI Session 2024-25.docx

Suggested Readings:-

1. Johnson, A., Raff, L. and Walter, R. (2008). Molecular Biology of the Cell (5th Edition). Taylor and Francis Group, USA.
2. Karp, G. (2013). Cell and Molecular Biology: Concepts and Experiments (7th Edition). Wiley Publishers, USA.
3. Klenzmann, L.J and Kish, V.M. (1995). Principles of Cell and Molecular Biology (2nd edition). Harper Collins College Publishers, New York, USA.
4. Lodish, H., Berk, A., Kaiser, C. A., Krieger, M., Bretscher, A. and Ploegh, H. (2016). Molecular Cell Biology. W.H. Freeman & Co., New York, USA.
5. Snustad, D.P. and Simmons, M.J. (2010). Principles of Genetics (5th Edition). John Wiley and Sons Inc., U.S.A.
6. Brown, T.A. (2011). Genetics: A Molecular Approach (3rd Edition). BIOS Scientific Pub.

meet.google.com is sharing your screen. [Stop sharing](#) [Hide](#)

Botany KMV (Presenting)

m. c. Sidhu, Botany KMV, Dr. Rajinder Kaur, Dr. Sandeep Gill Botany, 3 others, deepika vats

Item: BOT: 2026:11:1

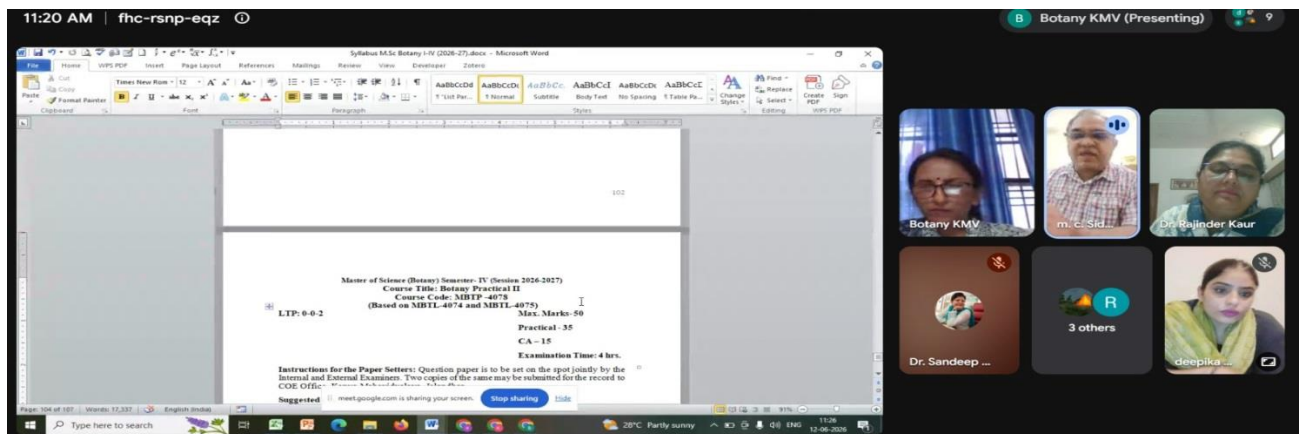
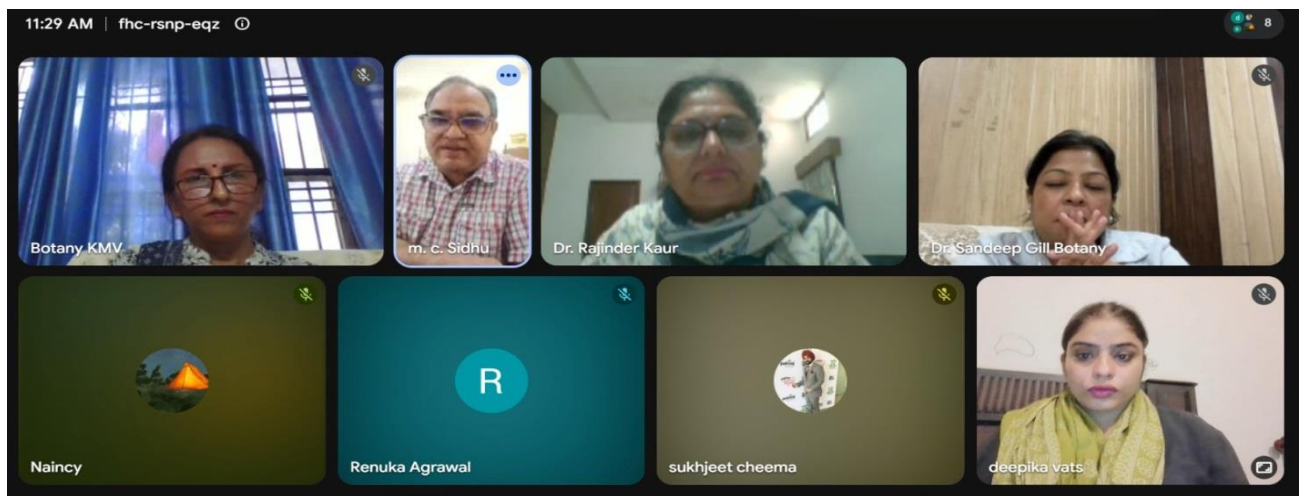
- To discuss and approve the proceedings of Tenth BOS held on 29th May 2025 and Action Taken Report.

meet.google.com is sharing your screen. [Stop sharing](#) [Hide](#)

Botany KMV, m. c. Sidhu, Dr. Rajinder Kaur, sukhjeet cheema, 3 others, deepika vats

11:23 AM | fhc-rsnp-eqz

Botany KMV, m. c. Sidhu, Dr. Rajinder Kaur, Dr. Sandeep Gill Botany, Naincy, Renuka Agrawal, sukhjeet cheema, deepika vats



10:42 AM | fhc-rsnp-eqz

Botany KMV (Presenting)

B.Sc. Home Science Sem. V 2019-27.docx - Microsoft Word

1. Study of garden tools and accessories.
2. Identification of different types of plants i.e. vegetable flowers, ferns and ornamental plants.
3. Preparation of soil digging tillage drainage watering and weeding.
4. To prepare and manuring a seed bed for raising seedlings.
5. To prepare a bed for sowing potatoes and cultivate them.
6. To prepare a plot for raising seedlings.
7. To prepare a pot for repotting.
8. To prepare a plot and cultivate seasonal vegetable (as in theory).
9. Plant propagation.
 - a) From seeds guiding rules for seed sowing.
 - b) Vegetative propagation by cutting and grafting.
 - c) Maintenance of plants
 - d) Use of pesticides and fungicides
 - e) Identification of slides of algae fungi and moulds.

Project: Prepare Herbarium file Collection of specimen of ornamental plants flower.

Suggested Readings:

1. Basic Gardening Gemmell Alam Penguin books publication.
2. B. Choudhary: *Vegetable Gardening* (New Delhi: Khanna, 1979)
3. Breikell C 199 *meet.google.com* is sharing your screen. [Stop sharing](#) [Slide](#) cultural Society's

Page 6 of 6 | Words: 910 | English (India)

29°C Partly sunny 10:47 12-09-2025

Botany KMV, m. C. Sidhu, Dr. Rajinder Kaur, Dr. Sahdeep, 3 others, deepika

Naincy
to me ▾
Sat, Jul 11, 10:01AM (6 days ago) ☆ 😊 ↶ ⋮

Approved.

Thanks & Regards
Naincy
Research Scholar (CSIR-SRF)
Department of Botanical & Environmental Sciences
Guru Nanak Dev University, Amritsar, Punjab

Renuka Agrawal
to me ▾
Jul 15, 2026, 4:04 PM (2 days ago) ☆ 😊 ↶ ⋮

Dear Ms. Vashisht ji,

Thank you for the email.
As most of the suggestions have been incorporated. The proceedings can be finalised for official records as per your institutional norms.

With best wishes and regards
Dr. Renuka Agrawal
Assistant Professor
Department of Botany
University of Delhi

mcsidhu
to me ▾
Thu, Jul 16, 10:12AM (1 day ago) ☆ 😊 ↶ ⋮

Please note that the file related the syllabus of B. Sc. Biotechnology has not been attached.

Rest of the syllabi is approved.

Kindly look into the credits allocated and corresponding marks. Some courses have assigned 3-4 suggested readings while others 10-15.

Thanks and regards