



MAHATMA GANDHI UNIVERSITY, KERALA

Abstract

Bachelor of Science (Honours) Biological Techniques and Specimen Preparation - Fourth Semester - Modifications to the Course Outcomes, Course Content and Mode of Assessment - Approved - Orders Issued.

ACA 16

No. 340/ACA 16/2026/MGU

Priyadarshini Hills, Dated: 12.01.2026

Read:-1. U.O.No.5797/AC A16/2024/MGU, dated.27.06.2024.

2. Minutes of the meeting of the Expert Committee on Zoology (UG)
3. Orders of the Vice Chancellor under Section 10 (17), Chapter III of the Mahatma Gandhi University Act 1985, dated 09.01.2026.

ORDER

The syllabi of various Honours Under Graduate Programmes coming under The MGU-UGP (Honours) Regulations, 2024, have been approved vide paper read as (1) above and published on the website of the University.

The Expert Committee on Zoology (UG), deliberated on modifying the **Course Outcomes, Course Content and Mode of Assessment of DSC, DSE, SEC and VAC type courses in the Fourth Semester syllabus of Bachelor of Science (Honours) Biological Techniques and Specimen Preparation** programme and has submitted recommendations, vide paper read as (2) above. **(Recommendations are attached as Annexure).**

Considering the urgency of the matter, sanction has been accorded by the Vice Chancellor, in exercise of the powers of the Academic Council vested upon him under Section 10(17), Chapter III of the Mahatma Gandhi University Act 1985, vide paper read as (3) above, to approve the aforementioned recommendations.

Hence, the **Course Outcomes, Course Content and Mode of Assessment of the said courses in the Fourth Semester syllabus of Bachelor of Science (Honours) Biological Techniques and Specimen Preparation programme** stands modified to this extent.

Orders are issued accordingly.

SUDHA MENON J

ASSISTANT REGISTRAR III
(ACADEMIC)
For REGISTRAR

Copy To

1. PS to VC
2. PA to Registrar/CE
3. Convenor, Expert Committee, Zoology (UG)
4. JR 2 (Admin)/DR 2, AR 3 (Academic)
5. Tabulation/Academic Sections concerned
6. JR/DR/AR (Exam)
7. AC C1/AC C2 Sections
8. IT Cell 3/OQPM1Sections
9. PRO/IQAC/Records Sections
10. Stock File/File Copy

File No. 86896/AC A16-1/2025/AC A16

Forwarded / By Order

Section Officer

ANNEXURE

SEMESTER IV

Course Name : Genetic Engineering and Plant Tissue Culture

Course Code : MG4DSCBTS200

Course Content

Content for Classroom transaction (Units)

Module	Unit	Course Description	Hours	CO.No (Modified)	Page No.
1	1.2			2	
	2.1			1	
	2.2			1	
	2.3			2	
	2.5			4	
	3.1			5	
2	3.2	No Change	No Change	7	59,60
	3.3			8	
3	4.1			6	

Course Name : Enzymology
Course Code : MG4DSEBTS200

Mode of Assessment

Assessment Type	B. End Semester Examination (Modified)			Page No.
	Theory	Total Marks = 70	Duration- 2 hrs	
	Type of Questions	No. of Questions to be Answered	Total Marks	
	Multiple Choice Questions	10 out of 10	$10 \times 1 = 10$	
	Short Questions	10 out of 12	$10 \times 3 = 30$	
	Short Essay	6 out of 8	$6 \times 5 = 30$	

Course Name : Research Methodology and Biostatistics
Course Code : MG4DSEBTS201

Mode of Assessment

Assessment Type	B. End Semester Examination (Modified)			Page No.
	Theory	Total Marks = 70,	Duration- 2 hrs	
	Type of Questions	No. of Questions to be Answered	Total Marks	
	Multiple Choice Questions	10 out of 10	$10 \times 1 = 10$	
	Short Questions	10 out of 12	$10 \times 3 = 30$	
	Short Essay	6 out of 8	$6 \times 5 = 30$	

Course Name : The Molecules of Life
Course Code : MG4DSCBTS202

Programme Name	BSc (Hons) Biological Techniques and Specimen Preparation	Page No.75
-----------------------	--	-------------------

Course Outcomes (CO)

CO.No	Expected Course Outcome	Learning Domains (Modified)	PO.No.	Page No.
3	No Change	U	No Change	75

Mode of Assessment

Assessment Type	A. Continuous Comprehensive Assessment (CCA) (Modified)		Page No.
	Theory Total Marks- 25	B. End Semester Examination (Modified) Theory Total Marks = 50	
		Duration- 1.5 hrs	77
	Type of Questions	No. of Questions to be Answered	Total Marks
	Multiple Choice Questions	12 out of 12	$12 \times 1 = 12$
	Short Questions	6 out of 8	$6 \times 3 = 18$
	Short Essay	5 out of 7	$5 \times 4 = 20$

Course Name : Human Rights and Gender Equality
Course Code : MG4VACBTS200

Programme Name	BSc (Hons) Biological Techniques and Specimen Preparation	Page No. 80
----------------	---	-------------

Course Content
Content for Classroom Transaction (Units)

Module	Units (Modified)	Course Description	Hours	CO.No	Page No.
1	1.1	No Change	No Change	No Change	81
	1.2				
	1.3				
	1.4				

Course Name : Basic Molecular Techniques
Course Code : MG4SECBTS200

Programme Name	BSc (Hons) Biological Techniques and Specimen Preparation	Page No. 83
----------------	---	-------------

Course Outcomes (CO)

CO.No	Expected Course Outcome	Learning Domains	PO.No (Modified)	Page No.
3	No Change	No Change	1,2,3	83
4			1,2,3	

Course Content
Content for Classroom Transaction (Units)

Module	Units	Course Description	Hours (Modified)	CO.No	Page No.
3	No Change	No Change	10	No Change	83, 84