

No.AC2(S)/164/2021-22

VishwavidyanilayaKaryasoudha
Crawford Hall, Mysuru- 570 005

Dated: 16-02-2022

Notification

Sub:- Minor Correction in the Syllabus, Scheme of Exams of Biotechnology (UG) with effective from the Academic year 2021-22 as per NEP-2020.

- Ref:-**
1. Decision of Board of Studies in Biotechnology (UG) meeting held on 23-11-2021.
 2. Decision of the Faculty of Science & Technology Meeting held on 20-12-2021.
 3. Decision of the Academic Council meeting held on 23-12-2021.

The Board of studies in Biotechnology (UG) which met on 23-11-2021 has recommended to made minor correction in the Syllabus & scheme of examination related to Biotechnology (UG) with effective from the Academic year 2021-22 as per NEP-2020.

The Faculty of Science & Technology and Academic Council at their meetings held on 20-12-2021 and 23-12-2021 respectively have also approved the above said proposal and it is hereby notified.

The Curriculum & Syllabus is annexed herewith and the contents may be downloaded from the University Website i.e., www.uni-mysore.ac.in.

DRAFT APPROVED BY THE REGISTRAR


Deputy Registrar (Academic)
University of Mysore
Mysore-570 005

To:-

1. All the Principal of affiliated Colleges of University of Mysore, Mysore.
2. The Registrar (Evaluation), University of Mysore, Mysuru.
3. The Chairman, BOS/DOS, in Biotechnology (UG), Manasagangothri, Mysore.
4. The Dean, Faculty of Science & Technology, DoS in Earth Science, MGM.
5. The Director, Distance Education Programme, Moulya Bhavan, Manasagangothri, Mysuru.
6. The Director, PMEB, Manasagangothri, Mysore.
7. Director, College Development Council , Manasagangothri, Mysore.
8. The Deputy Registrar/Assistant Registrar/Superintendent, Administrative Branch and Examination Branch, University of Mysore, Mysuru.
9. The PA to Vice-Chancellor/ Registrar/ Registrar (Evaluation), University of Mysore, Mysuru.
10. Office Copy.

Model Theory Question Paper

B.Sc., Biotechnology (Basic /Hons.)

Semester: I & II

(DSC and OE)

(Formative Assessment Marks: 40; Summative Assessment Marks: 60)

Month and Year:

Subject: Biotechnology

Title of the Paper:

Duration: 2Hrs

Max marks: 60

Instruction to the candidates: -----

Q. No	Questions	Marks allotted
1	Section A: Answer any FIVE questions	$5 \times 2=10$
a.		
b.		
c.		
d.		
e.		
f.		
g.		
	Section B: Answer any FIVE questions	$5 \times 6=30$
2		
3		
4		
5		
6		
7		
8		
9		
	Section C: Answer any TWO questions	$2 \times 10=20$
10		
11		
12		
13		

Model Practical Examination Scheme

B.Sc., Biotechnology (Basic /Hons.)

PRACTICAL: DSC-1P, BTC 101

I-SEMESTER (Cell Biology and Genetics)

(Formative Assessment Marks: 25; Summative Assessment Marks: 25)

Time: 3Hrs

Max Marks: 25

Q1. Use of micrometer measurement of onion epidermal cell or yeast----- 7M

OR RBC cell count by Haemocytometer

OR Stages of Mitosis from onion root tip

Scheme of Valuation

- Principle and procedure-1M
- Conducting experiment -4M
- Calculation/Tabular column /observation -1M
- Result-1M

Q2. Comment on A and B

Stages of Meiosis-----

04M

Q3. Karyotype analysis in Human

OR Onion/isolation and staining of Mitochondria

OR Chloroplast/Barr Bodies/ Mounting of Polytene chromosomes---- 04M

Scheme of Valuation

- Principle and procedure-2M
- Conducting experiment -2M

Q4. Genetic Problem-----

03M

Q5. Practical Record Maintenance-----

03M

Q6. Preparation and Submission of 2 permanent slides (Mitosis or Meiosis) --04M

Model Practical Examination Scheme

B.Sc., Biotechnology (Basic /Hons.)

PRACTICAL: DSC-2P, BTC 102

II-SEMESTER (Microbiological Methods and Techniques)

(Formative Assessment Marks: 25; Summative Assessment Marks: 25)

Time: 3Hrs

Max Marks: 25

Q1. Determine the Gram's reaction of the given bacteria----- 8M

OR Negative staining

OR Endospore staining

OR Lactophenol cotton blue staining of fungi

Scheme of Valuation

- Principle and procedure- **1M**
- Conducting experiment- **4M**
- Calculation/Tabular column/ observation-**1M**
- Result- **2M**

Q2.Demonstration of inoculation technique----- 03M

(Streak plate/Spread plate/Point Inoculation/Pour plate method)

Q3.Comment on A, B, and C ----- 06M

Identification- **1M**

Description - **1M**

(LAF, Microscope, Autoclave, Petriplate, BOD Incubator, Hot air oven, Inoculation loop/needle, Refrigerator, Serial dilution, Spreader, PH meter)

Q4. Mounting and identification of fungus---- 04M

(*Rhizopus* or *Penicillium* or *Aspergillus*)

Identification-**2M**

Description - **2M**

Q5. Practical Record Maintenance----- 04M

Model Theory Question Paper

B.Sc., Biotechnology (Basic /Hons.)

Semester: I

Skill Enhancement Course: (SEC)

(Formative Assessment Marks: 25; Summative Assessment Marks: 25)

Month and Year:

Subject: Biotechnology

Title of the Paper:

Duration: 2Hrs

Max marks: 25

Instruction to the candidates: -----

Q. No	Questions	Marks allotted
1	Section A: Answer any FIVE questions	$5 \times 2=10$
a.		
b.		
c.		
d.		
e.		
f.		
g.		
	Section B: Answer any THREE questions	$3 \times 5=15$
2		
3		
4		
5		
6		
