

# ANDHRA UNIVERSITY

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All Official letters, packages etc, should be addressed to the Registrar by designation and not by name.

No. LI (2)/U.G. Courses/MQP/2021

Visakhapatnam,  
Dt: 12-10-2021

From: **THE REGISTRAR**

To

The Controller of Examinations,  
Andhra University,  
Visakhapatnam.

Sir,

Sub: Approval of Model Question Papers – Reg.

Ref: Email's dt 28-09-2021, 06-10-2021 & 07-10-2021 along with Model Question Papers.

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With reference to the above, I am by direction to inform you that the Choice Based Credit System, U.G. Courses (w.e.f. 2020-2021) Model Question Papers of have been approved as detailed below:

S.No.	Subject	Name & Designation	Name of the College	Model question papers	Name of the Paper
1.	B.Sc. Botany	Dr.R. Prameela, Chairperson	M.R. Degree College, Vizianagaram	Semester-II (MQP)	Basics of Vascular Plants and Phytogeography
2.	B.Sc. Biochemistry	Gudimella Shakuntala, Associate Professor, Chairperson	Dr. L.B. College, Visakhapatnam	Semester-II (MQP)	Analytical Techniques
3.	B.Sc. Biotechnology	Dr. R. Haritha, Lecturer in Biotechnology,	Visakha Government Degree College for Women, Visakhapatnam	Semester-II (MQP)	Biotechnology
4.	B.Sc. Chemistry	Dr. A. Ram Gopal, Asst. Professor in Chemistry	Collegiate Education & Chairman, Board of Studies, U.G. Chemistry, A.U.	Semester-II (MQP)	Organic & General Chemistry
5.	B.Sc. Physics	Dr. Srinivas Siriki, Professor of Physics	Mrs. A.V.N. College, Visakhapatnam	Semester-II (MQP)	Skill Development Course Solar Energy

(PTO)

Gmail

Legal Section, Andhra University, A.P. <supdt4041@gmail.com>

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**Submission of Biotechnology II Sem Model paper- Reg**

1 message

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**Haritha Ronanki** <haritha.ronanki@gmail.com>  
To: supdt4041@gmail.com

Wed, Oct 6, 2021 at 3:19 PM

Respected Sir,  
I am submitting the Biotechnology II Sem Model paper for your perusal.  
Thank You

Regards,  
Dr. R. Haritha

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**2 attachments**

 **Covering Letter.doc**  
26K

 **Biotechnology II Sem Model Paper.doc**  
29K

ANDHRA UNIVERSITY  
B.Sc. DEGREE EXAMINATION  
II SEMESTER END MODEL PAPER  
BIOTECHNOLOGY  
(Effective from 2021-2022 admitted batch)

Time: 3 h      Max. Marks: 75 M

PART-A (5 X 5=25 Marks)

Answer any FIVE from the following eight questions

1. Louis Pasture
2. Autoclave
3. TMV
4. Economics Importance of Algae
5. Ribosomes
6. Rolling Circle Model of DNA replication
7. DNA damage
8. Genetic Code

PART-B (5 X 10=50 Marks)

Answer ALL the following questions

9. a) Elucidate the Ultra Structure of Bacterial Cell  
OR  
b) Define Culture. Explain about the isolation techniques of Pure Cultures.
10. a) Write about the cultivation of Animal Viruses  
OR  
b) Describe the steps involved in microbial production of Penicillin.
11. a) Explain the structure, function and properties of Cellular organelles  
OR  
b) Explain the Mitotic and Meiotic Cell division
12. a) Describe the mechanism of DNA Replication  
OR  
b) Give a detailed account on Lac operon and its regulation
13. a) Explain the genome organization of Eukaryotic cell  
OR  
b) Describe in detail the Mechanism of Translation