

ANDHRA UNIVERSITY

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

Visakhapatnam,
Dt: 27-10-2021

No. 1/1 (2)/U.G. Courses/MQP/2021

From: **THE REGISTRAR**

To

The Controller of Examinations,
Andhra University,
Visakhapatnam.

Sir,

Sub: Approval of Model Question Papers – Reg.

Ref: Email's dt 13-10-2021, 14-10-2021, 18-10-2021 along with Model Question Papers.

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. Skill Development Course	Dr. R. Prameela, Chairperson, Board of Studies in Botany (U.G.)	M.R. Degree College, Vizianagaram	Semester-II (MQP)	Fruit and Vegetables Preservation
2.	B.Sc. Horticulture	Dr. R. Prameela, Chairperson, Board of Studies in Botany (U.G.)	M.R. Degree College, Vizianagaram	Semester-II (MQP)	Post Harvest Technology of Horticultural Crops
3.	Microbiology	Dr. R. Haritha, Lecturer in Biotechnology,	Visakha Government Degree College for Women, Visakhapatnam	Semester-II (MQP)	Microbiology
4.	B. Vocational course Agriculture	Dr. G. Jaya Babu, Chairman	--	Semester-II (MQP)	Introduction to Plant Breeding
5.	B. Vocational course Animal Husbandry & Dairying	Dr. Ch. Mallikarjuna Rao, Chairman	--	Semester-II (MQP)	Livestock Production and Management
6.					
7.	B.Sc. Food Technology	Principal	Southern International Hotel Management Academy, Visakhapatnam	Semester-II (MQP)	DSC-2 Paper-1: Food Chemistry and Biochemistry-II
8.					DSC-2 Paper-2: Food Microbiology
9.					DSC-2 Paper-3: Applied Statistics
10.	B.Sc. Food Science and Nutrition			Semester-II (MQP)	DSC-2 Paper-1: Human Physiology
11.				DSC-2 Paper-2: Chemistry-2	
				DSC-2 Paper-3: Principals of Nutrition	

(PTO)

ANDHRA UNIVERSITY
B.Sc. DEGREE EXAMINATION
II SEMESTER END MODEL PAPER
MICROBIOLOGY
(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. Homopolysaccharides
2. Zwitter ions
3. Protein sequencing
4. Z DNA
5. Structural Characteristics of RNA
6. Gluconeogenesis
7. Nitrate respiration
8. Coenzyme

PART-B (5 X 10=50 Marks)

Answer ALL the following questions

9. a) Describe the classification of Carbohydrates
OR
b) Write about the classification and properties of Lipids
10. a) Write about the properties and Classification of Amino acids
OR
b) Describe about the Structural levels of Proteins.
11. a) Explain the Watson and Crick Model of DNA. Mention the forces stabilising it.
OR
b) Describe the different Types of RNA.
12. a) Elucidate TCA cycle. Write a note on its regulation.