From: THE REGISTRAR

To

Dr. G.V. Shakuntala,
Chairperson, Board of Studies in Biochemistry,
Department of Biochemistry,
Dr. L.B. College,
Visakhapatnam

Sir,

Sub: Approval of Model Question Papers – Reg.

Ref: Letter dated 18-06-2021 along with Model Question Papers.

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With reference to the above, I am by direction to inform that the Revised Choice Based Credit System, U.G. Courses (w.e.f. 2020-2021) B.Sc., I-Semester Model Question Papers of Biomolecules has been approved.

Hence, I request to arrange to circulate the same among the Teaching Staff and Students concerned and placed in A.U. website.

Yours faithfully,

(B. RAMACHANDER)
ASSISTANT REGISTRAR (ACADEMIC)

Copies to:
1. The Dean of Academic Affairs, A.U., VSP.
3. The Dean, CDC, A.U., Vsp.
4. The Dean, Confidential, A.U., Vsp.
5. All Principals, A.U. Affiliated Colleges Offered in U.G. courses.
7. The Superintendent S.I Section for taking necessary further action.
8. The Secretary to V.C., Rector Table, P.A. to Registrar, A.U., Vsp.
9. The Director, Computer Centre, A.U., Vsp.
10. O.C. & O.O.F.
Sir, I am enclosing the model question paper prepared for B.Sc 1st semester along with a letter addressed to the Registrar.

Thanking you,

Dr. G. V. Shakuntala
To,
The Registrar,
Andhra University,
Visakhapatnam.

18-6-2021

Respected Sir,

Sub: Submission of Model Question Paper under revised CBCS
w.e.f. 2020-2021

I have been appointed as Chairperson, Board of Studies in
Biochemistry (U.G.) for a period of three years by the VICE-CHANCELLOR. Accordingly, I have
prepared the Model Question Paper for first semester B.Sc. Biochemistry under revised CBCS
w.e.f. 2020-2021. I have prepared the question paper keeping in view the Board guidelines.
I am herewith enclosing the model question paper.

Thanking You,

Your's sincerely,

[Signature]

Associate Professor and HOD
Department of Biochemistry,
Dr. L.B. College,
Visakhapatnam
MODEL PAPER
B.Sc BIOCHEMISTRY revised syllabus under CBCS
w.e.f. 2020-2021
FIRST YEAR B.Sc. DEGREE EXAMINATION
SEMESTER -1
Course: Biomolecules
Code: BCH-1
TIME : 3 HOURS
MAXIMUM MARKS :75

PART-A
ANSWER ANY FIVE OF THE FOLLOWING QUESTIONS
EACH CARRIES FIVE MARKS
1. Pka value
2. Mutarotation
3. Bacterial cell wall polysaccharides
4. Rancidity
5. Lipo proteins
6. Classification of proteins
7. Types of RNA
8. Tm value

PART-B
5X10=50 MARKS
ANSWER ALL QUESTIONS EACH CARRIES TEN MARKS
9 (a) Explain water as a Biological solvent
OR
9 (b) Write about the different methods to analyse soil samples
10 (a) Write about the important physical and chemical reactions of monosaccharides

OR

10 (b) Write about the structure and biological importance of poly saccharides

11 (a) Write about the classification of lipids

OR

11 (b) Discuss about the Fluid Mosaic model of Biological membranes

12 (a) Write briefly about the structural organisation of proteins

OR

12 (b) Write about the classification and important chemical reactions of aminoacids

13 (a) Write about the three dimensional structure of DNA

OR

13 (b) Discuss in detail about the structure of metalloporphyrins- heme and chlorophyll

[Signature]