

Model Question Paper
KVR GOVT. COLLEGE FOR WOMEN (AUTONOMOUS), KURNOOL
Re-Accredited by NAAC with Grade "A"
FIRST YEAR B.Sc. BIOCHEMISTRY 2020-21
FIRST SEMESTER
COURSE-I: BCT-101-BIOMOLECULES

Max. Marks-60

PART –A (Short Answer Type)

5x4 = 20 Marks

Answer any 5 of the following

1. Buffer?
2. Henderson Hasselbalch Equation.
3. Blood group substances?
4. Explain about Prostaglandins
5. phospholipids
6. Disaccharide's.?
7. Denaturation of proteins?
8. Tm values

PART –B (Essay Type)

8x5=40 Marks

Answer the following Questions

9. Measurement of pH (or)

Explain TDS, BOD & COD

10. Classification, monosaccharide's (or)

Reactions of Carbohydrates?

11. Write about Biological functions of Lipids. (or)

Fluid mosaic model of membrane structure?

12. Chemical properties of Amino acids? (or)

Structural organization of proteins

13. Structure of DNA (or)

Porphyrins-Heme structure and functions?

Model Question Paper
FIRST YEAR B.Sc. BIOCHEMISTRY 2020-21
SECOND SEMESTER
COURSE-I: BCT-101-ANALYTICAL TECHNIQUES

Max. Marks-60

PART –A (Short Answer Type)

5x4 = 20 Marks

Answer any 5 of the following

14. Rf value?
15. Half life
16. RIA?
17. Affinity Chromatography
18. Gel filtration
19. Beer-Lambert's law?
20. Isoelectric focusing
21. Antibiotic resistance

PART –B (Essay Type)

10x5=40 Marks

Answer the following Questions

22. Centrifugation principle and applications (or)

Tissue homogenization

23. Paper Chromatography principle and applications (or)

TLC principle and applications

24. Spectrophotometry-Principle and applications(or)

ELISA technique?

25. Electrophoresis- principles and applications? (or)

Immune-electrophoresis-types and applications

26. Types of Growth media(or)

Gram's staining?