

M.Sc. DEGREE (C.B.C.S.S) EXAMINATION
Semester I Internal Examination
AFA1T02 - Biochemistry

Time: 3 Hrs

Total Weightage: 30

SECTION A

(Answer any **Ten** questions. Each carries a weight of 1)

1. Explain Mutarotation
2. Define epimers
3. What are isozymes
4. What are osazones
5. Structure of sucrose
6. Define reducing sugar
7. What are ribozymes
8. Define amphibolic pathway
9. What are restriction endonucleases
10. Role of calcium in biological systems
11. What is lipid peroxidation?
12. Ketogenic aminoacids

SECTION B

(Answer any **five** questions, each question carries a weight of 2).

13. Enzyme classification
14. Allosteric enzymes
15. Glycosaminoglycans
16. Urea Cycle
17. Collagen
18. Beta oxidation of fatty acids
19. Urea cycle
20. Transamination

SECTION C

(Answer any **two** questions; each question carries a weight of 5).

21. Glycogen metabolism and its regulation
22. Elaborate the structural organization of proteins with examples
23. Write down the structural features of Watson-Crick model of DNA. Compare it with A and Z DNA.