

QP Code: 123005

Reg. No.:

**First Professional B.S.M.S Degree Regular/Supplementary
Examinations September 2019**

Uyir Vedhiyal (Bio-Chemistry)

(2016 Scheme)

Time: 3 Hrs.

Max. Marks: 100

- **Answer all questions**
- **Draw Diagrams wherever Necessary**

Essays:

(2x10=20)

1. Draw and explain glycolysis
2. Draw and explain the degradation of cholesterol

Short Notes

(10x5=50)

3. Classification and biomedical importance of monosaccharides.
4. The types and functions of phospholipids
5. Structure of proteins.
6. Discuss the principles, techniques and applications of PCR.
7. Discuss about urea cycle.
8. Draw fatty acid oxidation and explain.
9. The factors affecting enzyme activity
10. Digestion and absorption of proteins.
11. Bio-chemical functions and deficiency of vitamin C
12. Bio-chemical functions and disorders of hypothalamic hormones.

Answer briefly

(10x3=30)

13. What is Menkes's diseases
14. Water turn over.
15. Specific dynamic action
16. Any three applications of bioinformatics
17. What are the tests to assess thyroid functions
18. Essential fatty acids
19. Bio-chemical functions of oxytocin
20. Any three bio-chemical functions of sodium
21. Define replication is semi-conservative
22. What are chemical carcinogens.
