

QP Code: 123005

Reg. No.:

First Professional BSMS Degree Examinations September 2018

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 hexose monophosphate shunt pathway and its disorders.
2. Discuss the functions and disorders of adrenal cortical hormones.

Short Notes

(10x5=50)

3. Polysaccharides – classification and functions
4. Classification of lipids
5. The types and functions of plasma proteins
6. Discuss the Watson and Cricks structure of DNA.
7. Explain gout.
8. Transamination and deamination reactions.
9. Discuss about the metabolism of HDL
10. Draw and explain ATP – ADP cycle.
11. Diagnostic importance of enzymes.
12. Digestions and absorption of lipids.

Answer briefly

(10x3=30)

13. What are the types of hemoglobin.
14. Classify vitamins with examples.
15. What are micro and macro elements.
16. Define xenobiotics
17. What are the functions of water.
18. Define Basal metabolic rate.
19. Name the lab diagnosis of HIV.
20. Name the tests to assess kidney functions.
21. Classify disaccharide with examples
22. Any three major functions of calcium
