

First Professional B.S.M.S Degree Supplementary Examinations, March 2016

UYIR VEDHIYAL (BIO-CHEMISTRY)

(2013 SCHEME)

- Answer all the questions
- Draw diagrams wherever necessary

Time : 3 Hrs

Max.Mark : 100

Essays :

(2x10=20)

1. Discuss the beta oxidation of fatty acid
2. Draw and explain urea cycle and add a note on disorders associated with it.

Short notes :

(10x5=50)

3. Functions of prostaglandins.
4. Explain detoxification by conjugation.
5. Draw and explain the structure of t-RNA.
6. What are the nutritional disorders of protein.
7. List out the tests to assess renal function.
8. Bio-chemical functions of catecholamines.
9. Disease states of copper.
10. Gout.
11. Functions of plasma proteins.
12. Biologically important compounds derived from cholesterol.

Answer briefly :

(10x3=30)

13. Name the bile acids.
14. Mention any three importance of NADPH.
15. Define glycogenolysis.
16. Mitochondria is the power houses of cell. Why.
17. α -thalassemias.
18. Name diagnostic tests to detect AIDS.
19. Wilson's disease.
20. Deficiency symptoms of folic acid.
21. Any three functions of nucleotides.
22. Dynamic functions of proteins.