

First Professional B.S.M.S Degree Supplementary Examinations, March 2015

UYIR VEDHIYAL (BIO-CHEMISTRY) – 2013 SCHEME

- **Answer all the questions**
- **Draw diagrams wherever necessary**

Time : 3 Hrs

Max.Mark : 100

Essays :

(2x10=20)

1. Describe components and reactions of electron transport chain.
2. Explain biochemical functions and disorders of calcium.

Short notes :

(10x5=50)

3. Digestion and absorption of carbohydrates
4. Reactions of uric acid pathway
5. Fatty liver
6. Transcription
7. Different types of porphyrias
8. Functions of albumin
9. Immunological abnormalities in acquired immune deficiency syndrome (AIDS)
10. Fibre in nutrition
11. Thyroid function tests
12. Synthesis of catecholamines

Answer briefly :

(10x3=30)

13. Physiological significance of pentoses
14. Essential fatty acids
15. Quaternary structure of protein
16. Name the factors affecting enzyme action
17. Disorder of pyrimidine metabolism
18. Detoxification
19. Biochemical functions of pyridoxine
20. Biosynthesis of prostaglandins
21. Functions of water in human body
22. Classification of phospholipids
