

First Professional B.S.M.S Degree Supplementary Examinations, August 2014

UYIR VEDHIYAL (BIO-CHEMISTRY)

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

Time : 3 Hrs

Max.Mark : 100

Essays :

(2x10=20)

1. Describe the biochemical functions and disorders of iron.
2. Describe the chemistry, biochemical functions and deficiency manifestations of vitamin A

Short notes :

(10x5=50)

3. Digestion and absorption of proteins
4. Glycogenolysis
5. Ketogenesis
6. Gout
7. Degradation of haem to bile pigments
8. Progesterone
9. Kwashiorkor and marasmus
10. Water balance
11. Liver function tests
12. Reactions of urea cycle

Answer briefly :

(10x3=30)

13. Tautomerization
14. Antioxidants
15. Classification of proteins
16. Iso-enzymes
17. Substrate level phosphorylation
18. Posterior pituitary hormones
19. Pheochromocytoma
20. Name the eicosanoids
21. Replication
22. Alpha – 1 – antitrypsin
