

**FIRST PROFESSIONAL B.S.M.S. DEGREE SUPPLEMENTARY
EXAMINATIONS, AUGUST 2012**

UYIR VEDHIYAL (BIO-CHEMISTRY)

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

Time : 3 Hrs

Max.Mark : 100

Essays :

(2x10=20)

1. Describe regulation of enzyme activity in the living system.
2. Describe the synthesis and biochemical functions of thyroxine .

Short notes :

(10x5=50)

3. Digestion and absorption of lipids
4. Classification of diabetes mellitus
5. Biologically important compounds derived from cholesterol
6. Replication of deoxyribonucleic acid (DNA)
7. Biosynthesis of haem
8. Classification of immunoglobulins
9. Molecular basis of cancer
10. Specific dynamic action
11. Renal function tests
12. High energy compounds

Answer briefly :

(10x3=30)

13. Lactose
14. Classification of lipoproteins
15. Structure of proteins
16. Gout
17. Disorders of iron metabolism
18. Factors regulating plasma calcium level
19. Regulation of electrolyte balance
20. Kwashiorkor
21. Name the reactions of detoxification
22. Biochemical functions of vitamin C