

FIRST PROFESSIONAL BSMS DEGREE EXAMINATIONS, SEPTEMBER 2014

UYIR VEDHIYAL (BIO-CHEMISTRY) – 2013 SCHEME

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

Time : 3 Hrs

Max.Mark : 100

Essays :

(2x10=20)

1. Explain the biochemical functions and deficiency of vitamin A in detail.
2. Discuss the reactions and energy production in Krebs's cycle.

Short notes :

(10x5=50)

3. Digestion and absorption of lipids.
4. Urea cycle
5. Adrenal hormones.
6. Replication of DNA
7. Thalassemias.
8. Biochemical functions of prostaglandins.
9. Clinically important enzymes.
10. High energy compounds.
11. Biochemical functions of calcium.
12. Thyroid function tests.

Answer briefly :

(10x3=30)

13. Classify carbohydrates.
14. Lipoproteins.
15. Classify proteins based on chemical nature and solubility.
16. Iso-enzymes.
17. Oncogenes.
18. Gout
19. Name the conjugating agents present in the body.
20. Role of fibre in nutrition.
21. Functions of water in our body.
22. Laboratory diagnosis of AIDS.
