

FIRST PROFESSIONAL B.S.M.S DEGREE EXAMINATIONS, September 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. Explain the types and functions of plasma proteins
2. Discuss the β – oxidation of fatty acids.

Short notes :

(10x5=50)

3. Digestion and absorption of proteins.
4. Transamination.
5. Sickle cell anaemia.
6. Applications of polymerase chain reaction (PCR).
7. Functions and deficiency of zinc.
8. Fat soluble vitamins.
9. Diabetes mellitus.
10. Mitochondria.
11. Functions and deficiency of thiamine.
12. Renal function tests.

Answer briefly :

(10x3=30)

13. Disaccharides.
14. Phospholipids.
15. Structure of proteins.
16. Classify enzymes.
17. Laboratory diagnosis of AIDS.
18. Disorders of purine metabolism.
19. Role of cytochrome P 450 in detoxification.
20. Protein – energy malnutrition disorders.
21. Electrolyte balance.
22. Opsonization.
