

Q.PCode.1305

Reg.No:.....

FIRST PROFESSIONAL B.S.M.S. DEGREE EXAMINATIONS, MARCH -2012

UYIR VEDHIYAL (BIO-CHEMISTRY)

- Answer all the questions
- Draw diagrams wherever necessary

Time: 3 Hrs

MaxMark :100

Essay :

(2x10=20)

1. Discuss the formation of haem with suitable figure.
2. Write the various steps involved in glycolysis and explain.

Short notes :

(10x5=50)

3. Mucopolysaccharides.
4. Classify lipids with suitable examples.
5. Draw and explain the secondary structure of proteins.
6. Explain the enzyme pattern in diseases.
7. Write about ATP-ADP cycle with suitable figure.
8. Absorption of lipids.
9. Derive the biologically important compounds from cholesterol.
10. List out the hormones produced by hypothalamus.
11. Write the bio-chemical actions of prostaglandins.
12. What are the natural course of AIDS.

Answer Briefly :

(10x3=30)

13. Define essential fatty acids with example.
14. Define transamination with example.
15. What is Chargaff's rule.
16. What is the chemical nature of choline.
17. What are the abnormalities of carbohydrate digestion.
18. What is β -thalassemias. Give its types.
19. What are catecholamines. Give its precursor.
20. What are the salvage pathway for purine nucleotide synthesis.
21. Write the disease states of phosphorus.
22. Write the bio-chemical functions of oxytocin.
