

Q.P.Code 1314

Reg. No.:.....

First Year **BPT** Degree Supplementary Examinations - May 2012

Biochemistry and Nutrition

Time: 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x10=20)

1. What is urea and describe its formation.
2. What is normal fasting and post prandial blood sugar level and add a note on its regulation.

Short notes:

(10x5=50)

3. Amylase and amylopectin.
4. Plasmaproteins.
5. Mechanism of enzyme action.
6. Gluconeogenesis.
7. Functions of calcium.
8. Define glycosuria and its different types.
9. Role of kidney in acid – base homeostasis.
10. Clinically important enzymes.
11. Beri - beri and pellagra.
12. Significance of HMP pathway.

Answer briefly:

(10x3=30)

13. Cholesterol.
14. Name fat soluble vitamins.
15. Basal Metabolic Rate.
16. Enzymes involved in digestion of proteins.
17. P:O ratio.
18. Lipotropic factors.
19. Difference between prokaryotic and eukaryotic cell.
20. Rickets.
21. FIGLU.
22. Hemochromatosis.
