Q.P.Code 103014

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First Year BPT Degree Supplementary Examinations - March 2014

(2010 scheme)

Biochemistry and Nutrition

Time: 3 hrs Max marks: 100

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

Essays: (2x10=20)

1. Discuss the oxidation of acetyl CoA in the citric acid cycle and its energetics

2. Explain the sources, dietary requirement and metabolism of iron

Short notes: (10x5=50)

- 3. Classification of enzymes
- 4. Biologically important peptides
- 5. Regulation of calcium level
- 6. Synthesis and functions of nitric oxide
- 7. Mechanism of oxidative phosphorylation

ar briefly:
13. Isoenzymes
14. Respiratory acidosis
15. Ceruloplasmin
6. Lipotropic fer
7. Type (10x3=30)

- 17. Types of RNAs and its functions
- 18. Kwashiorkor
- 19. Compounds synthesized from tyrosine
- 20. Dehydration
- 21. Chromatography
- 22. Pellagra