



First Year BPT Degree Supplementary Examinations, April 2017

(2010 scheme)**Biochemistry and Nutrition****Time : 3 hrs****Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays:**(2x10=20)**

1. Describe briefly TCA cycle. What are the significance of TCA cycle (5+5=10)
2. Explain the sources, biochemical functions and deficiency manifestations of vitamin C (1+5+4=10)

Short notes:**(10x5=50)**

3. HDL metabolism
4. Glycogenolysis
5. Covalent modification
6. Metabolic syndrome
7. Biochemical functions of copper
8. Prostaglandins
9. ELISA
10. Body mass index
11. Mitochondrial DNA
12. Mucopolysaccharides

Answer briefly:**(10x3=30)**

13. Beriberi
14. Phenyl Ketonuria.
15. Sucrose
16. Metabolic acidosis
17. Anion gap
18. Antioxidants
19. Iodine
20. Arginine
21. Uncouplers of oxidative phosphorylation
22. Endoplasmic reticulum