Q.P.Code 103014	Reg. No.:
First Year BPT Degree Examinations - September 2012	
Biochemistry and Nutrition	
Time: 3 hrs	Max marks : 100
 Answer all questions Draw diagrams wherever necess Essays: 1. Describe the process of glycolysis with its energetics. 2. Describe the source, functions and deficiency manifestat 	(2x10=20)
Short notes: 3. Essential fatty acids and its functions.	(10x5=50)
 4. Purine and pyrimidine bases. 5. Enzyme inhibition. 6. Oxidative phosphorylation . 7. GTT. 	
 8. Phenyl ketonuria and albinism. 9. Factors affecting calcium absorption. 10. Types of jaundice. 	
 Difference between kwashiorkor and marasmus. Transaminases and its significance. 	
 Answer briefly: 13. Mitochondria. 14. Color reactions of amino acids. 15. Define Km. 16. Ketosis. 	(10x3=30)
 17. Biological actions of prostaglandins. 18. Maple syrup urine disease. 19. Ketone bodies. 20. Cytochrome P 450. 21. Chargaff's rule. 	
22. Anion gap.	

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