

Second Year B.Sc MLT Degree Examinations September 2017

BIOCHEMISTRY-II

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Explain the sources, biochemical functions and deficiency manifestations of vitamin D
(1+5+4=10)
2. Classify lipoproteins. Describe briefly on lipoprotein metabolism
(2+8=10)

Short notes

(10x5=50)

3. Regulation of blood glucose
4. Pleural fluid analysis
5. Glucuronic acid pathway
6. Blood sampling
7. Glycogenolysis
8. Prostaglandins
9. Urinary screening for metabolic inborn disease
10. Estimation of urea
11. Phenylketonuria
12. Fatty liver

Answer briefly

(10x3=30)

13. Alkaptonuria
14. Transdeamination
15. Beriberi
16. Hay's test
17. Albinism
18. Glycated hemoglobin
19. Diabetic ketoacidosis
20. Biochemical functions of riboflavin
21. Essential fatty acids
22. Essential pentosuria