

Second Year B.Sc MLT Degree Examinations October 2018

Biochemistry - II

Time: 3 Hours

Total Marks: 100

- **Answer all Questions.**
- **Draw Diagrams wherever necessary.**

Essay

(2x10=20)

1. What is the normal blood glucose level. How it is regulated. Add note on enzymatic methods of estimation of blood glucose level. (1+5+4)
2. Name the sulphur containing amino acid. Discuss the metabolism of methionine and add a note on homocystinurias. (1+6+3)

Short notes

(10x5=50)

3. Fatty liver
4. Catecholamines.
5. HDL metabolism.
6. Basal metabolic rate
7. Co enzyme role of niacin
8. Protein energy mal nutrition.
9. Biochemical functions of vitamin A
10. Fatty acid synthase enzyme complex
11. Components of CSF in health and disease
12. Any five screening tests for inborn errors of metabolism

Answer briefly

(10x3=30)

13. Carnitine.
14. Bile salts.
15. Folate trap.
16. Benzidine test
17. Vitamin K cycle
18. Glycated hemoglobin
19. Primary hyper oxaluria.
20. Lesch Nyhan syndrome
21. Physiological uncouplers
22. Gamma amino butyric acid