

QP CODE: 201012

Reg No:.....

Second Year B.Sc MLT Degree Examinations, October 2013

BIOCHEMISTRY-II

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Discuss hexose monophosphate shunt pathway. Mention the significance of this path way. (8 +2= 10)
2. Mention the source of Urea. Mention the principle and procedure of the estimation of Urea .What is the clinical significance of its estimation (1+7+2= 10)

Short notes

(10x5=50)

3. Compounds formed from glycine
4. Role of insulin in regulation of blood sugar.
5. Estimation of CSF protein
6. Scurvy
7. Serotonin
8. Regulation of glycogen metabolism.
9. FIGLU
10. Lecithin
11. Uncouplers of electron transport chain
12. Fatty acid synthase complex

Answer briefly

(10x3=30)

13. Specific gravity of urine
14. Alkaptonuria
15. Von Gierke's disease
16. Leisch nyhan syndrome
17. Substrate level phosphorylation
18. Proteinuria
19. Ninhydrin test
20. NPN
21. A:G ratio
22. Purine salvage pathway
