

**B.Sc. Allied Health Sciences Second Year (Semester-IV)**

**March 2021 Examination**

**B.Sc. Medical Laboratory Technology (MLT)**

**Time : 2.30 Hrs.**

**[Max. Marks : 80]**

**BIOCHEMISTRY**

**Q.P Code : AHS-105**

*Your answers should be specific to the questions asked.*

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Enumerate the reactions of Urea cycle. Add a note on urea cycle disorders.
2. Explain the steps of glycogenesis. Add a note of Von gierke's disease.

**SHORT ESSAY (Answer any Six)**

**6 X 5 = 30 Marks**

3. Write about classification of enzymes.
4.  $\beta$ -oxidation of saturated fatty acids.
5. Functions and deficiency manifestations of Vitamin A.
6. Explain briefly causes and management of Atherosclerosis.
7. Glucose tolerance test and its significance.
8. Mention different methods of glucose estimation. Discuss any one method in detail.
9. Reactions catalyzed by key enzymes of gluconeogenesis.
10. Gout-1. Causes 2. Clinical manifestations 3. Treatment

**SHORT ANSWERS (Answer any Ten)**

**10 X 3 = 30 Marks**

11. Name the methods of estimation of cholesterol, Phosphorous, Total Proteins.
12. Therapeutic Uses of Enzymes.
13. Compounds synthesized from Cholesterol.
14. Beri-beri.
15. Cori's cycle.
16. Write the creatinine clearance and urea clearance normal values.
17. Write any three enzymes of LFT.
18. A/G ratio and its significance.
19. Write about the following coenzymes 1. Pyridoxine 2. Thiamine 3. Riboflavin
20. What is Colorimetry?
21. Rothera's test and its significance.
22. Galactosemia.

