

QP CODE: 211020

Reg. No:

**Second Year B.Sc Medical Biochemistry Degree Regular/Supplementary
Examinations October 2019
Paper VI - Metabolism 1**

(Carbohydrate, Lipid & Amino Acid Metabolism)

(2016 Scheme)

Time: 3 hrs

Max Marks: 100

- **Answer All Question**
- **Draw diagrams wherever necessary**

Long Essays

(2x15=30)

1. What is glycolysis. Describe the steps, energetics and regulation of glycolysis.
2. Describe urea cycle.

Short Essays

(2x10=20)

3. Beta oxidation
4. Digestion and absorption of carbohydrates

Short Answer

(6x5=30)

5. Polyunsaturated fatty acids and their importance.
6. Lipotropic factors
7. One carbon metabolism
8. Compounds formed from glycine
9. Catecholamines
10. Glycogen storage disorders

Comment on

(10x2=20)

11. Alkaptonuria
12. Ketone body synthesis
13. Polyamines
14. Fatty acid synthase complex
15. redox potential.
16. Pasteur effect
17. Cori's cycle
18. Maple syrup urine disease
19. Prostaglandins
20. Aspartic acid
