

Q.P. CODE: 113016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations August 2019**

Biochemistry

(2016 Scheme)

Time: 3 Hrs

Max. Marks: 80

- Answer all questions
- Draw diagram wherever necessary

Essays:

(2x10=20)

1. Classify fatty acids and discuss the beta oxidation of fatty acid.
2. Mention the different types of diabetes mellitus and write the metabolic derangement in diabetes mellitus.

Short notes:

(6x5=30)

3. Rickets
4. Functions of liver
5. Structure and functions of cholesterol
6. Significances of HMP shunt pathway
7. Renal mechanisms of regulation of blood pH
8. Enzyme profile in acute myocardial infarction

Answer briefly:

(10x3=30)

9. Selenium
10. Anion gap
11. Rotheras's test
12. Bicarbonate buffer
13. Competitive enzyme inhibition
14. Arterial blood gas analysis
15. Reducing substances in urine
16. Metabolic functions of pyridoxine
17. Classification of enzymes
18. The normal serum level of: sodium, creatinine, total protein
