

Q.P. CODE: 113016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Supplementary
Examinations March 2020**

Biochemistry

(2016 Scheme)

Time: 3 Hrs

Max. Marks: 80

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(2x10=20)

1. What is the normal blood glucose level. Discuss the regulation of blood glucose
2. Discuss the disturbances in acid base balances

Short notes:

(6x5=30)

3. Porphyrias
4. Fatty acid enzyme synthase complex
5. Functions of kidney
6. Classification of lipids
7. Long term monitoring of diabetes mellitus
8. Structure and functions of bio membrane

Answer briefly:

(10x3=30)

9. Reducing substances in urine
10. Homocystinuria
11. Functions of vitamin C
12. Metabolic functions of vitamin B₁₂
13. HDL cholesterol
14. Essential amino acids
15. Factors affecting enzyme activity
16. Degradation of heme
17. Absorption of iron
18. The normal serum level of potassium, sodium and calcium
