

Q.P. CODE: 103016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Supplementary
Examinations April 2018**

Biochemistry

Time: 3 Hrs

Max. Marks: 80

- Answer all questions
- Draw diagram wherever necessary

Essays:

(2x10=20)

1. What is gluconeogenesis. Describe the steps of gluconeogenesis
2. Explain the sources, biochemical functions and deficiency manifestations of vitamin D

Short notes:

(6x5=30)

3. Heme synthesis
4. Classification of enzymes
5. Regulation of blood glucose
6. Fluid mosaic model of cell membrane
7. Lipoproteins
8. Regulation of blood pH

Answer briefly:

(10x3=30)

9. Niacin
10. Benedict's test
11. Compounds formed from tyrosine
12. Lipid profile
13. Riboflavin
14. Liver Function Test
15. What is normal blood urea level. What is the significance of estimation of blood urea level.
16. Phospholipids
17. Essential amino acids
18. Biochemical functions of thiamine
