

Q.P. CODE: 113016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Supplementary
Examinations March 2019**

Biochemistry

(2016 Scheme)

Time: 3 Hrs

Max. Marks: 80

- Answer all questions
- Draw diagram wherever necessary

Essays:

(2x10=20)

1. Explain the functions of carbohydrates and discuss the glycolytic pathway
2. Discuss the source, daily requirement, functions and deficiency manifestations of vitamin D

Short notes:

(6x5=30)

3. Metabolic acidosis
4. Functions of proteins
5. Abnormal constituents in urine
6. Regulation of sodium and electrolyte balance
7. IUBMB classification of enzymes
8. Regulation of blood calcium level

Answer briefly:

(10x3=30)

9. Zinc
10. Bile salts
11. Phenyl ketonuria.
12. Functions of vitamin C
13. Glycated hemoglobin
14. Creatinine clearance test
15. Oxygen dissociation curve
16. Metabolic alkalosis
17. Urinary findings in different types of jaundice
18. The normal serum level of potassium, cholesterol and albumin
