

Q.P. CODE: 102020

Reg. No:

**First Year B.Sc Medical Biochemistry Degree Supplementary
Examinations April 2018**

Paper II – Physiology

(2014 Scheme)

Time: 2 Hrs

Max. Marks: 50

- Answer all questions
- Draw diagram wherever necessary

Essays: (2x10=20)

1. What are the forms in which oxygen is transported in blood. Describe in detail the oxygen-Hb dissociation curve and the functional significance of its shape. Enumerate the factors affecting shift of this curve. (2+6+2)
2. What are the different phases of a normal cardiac cycle. Explain the pressure changes in left ventricle and aorta during normal cardiac cycle. (4+6)

Short notes: (2x5=10)

3. Digestive enzymes and their functions secreted from exocrine pancreas
4. Foetal circulation

Answer briefly: (10x2=20)

5. Osmotic fragility
6. Pregnancy
7. Reticulo-endothelial system
8. Functions of platelets
9. Neuromuscular junction
10. Insulin
11. Gastric HCl
12. Anaemia
13. Taste pathway
14. Functions of spinal cord
