

Q.P. CODE: 112016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Supplementary
Examinations July 2025**

**Physiology
(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. Explain the actions and regulation of secretion of thyroid hormone
2. With the help of a diagram, explain the mechanism of HCl secretion. Add a note on phases and regulation of gastric juice secretion

Short notes:

(6x5=30)

3. Excitation contraction coupling
4. Physiological changes during pregnancy
5. Counter current mechanisms
6. Transportation of oxygen
7. Describe the components and properties of reflex action
8. Properties of cardiac muscle

Answer briefly:

(10x3=30)

9. Functions of white blood cells
10. Innervation of bladder
11. Lumbar puncture
12. Functions of lymph
13. Artificial respiration
14. Classification of anaemias
15. Reabsorption of glucose
16. Rh incompatibility
17. Functions of basal ganglia
18. Cardiac shock
