

Q.P. CODE: 112016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Supplementary
Examinations August 2023**

**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 mechanism of secretion of HCl in stomach. How is it regulated. Write a note on gastric mucosal barrier
2. With the help of diagrams explain the ascending pathways

Short notes:

(6x5=30)

3. Properties of cardiac muscle. Draw and label a normal ECG
4. Carbon dioxide transport
5. Ventricular pressure changes during cardiac cycle
6. Functions of thyroid hormone
7. Production and functions of WBC
8. Menstrual cycle

Answer briefly:

(10x3=30)

9. Vital capacity
10. Autonomic nervous system
11. Peculiarities of renal circulation
12. Transmission across neuromuscular junction
13. Define cardiac output
14. Rh incompatibility
15. Functions of ear
16. Cushing syndrome
17. Cystometrogram
18. Role of hypothalamus in regulation of body temperature
