

QP CODE: 102018

Reg. No:

**First Year B.Sc (MRT) Degree Supplementary Examinations
March 2020
Physiology**

Time: 3 Hours

Total Marks: 100

- *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

(2x20=40)

1. With the help of a labeled diagram, describe the pathway for voluntary movement. Briefly describe the roles played by cerebellum and basal ganglia in motor functions.
2. Explain the mechanism of ventilation. Discuss the factors influencing the diffusion of gases in lungs. Briefly describe pulmonary circulation.

Short notes:

(8x5=40)

3. Coagulation pathways
4. Peristalsis
5. Mechanical events in cardiac cycle
6. Fates and role of iodine in human body
7. Functions of bile
8. Functions of placenta
9. Normal electrocardiogram
10. Functional areas of cerebral cortex

Answer briefly:

(10x2=20)

11. Pancytopenia
12. Diabetes insipidus
13. Defecation
14. Functions of male gonads
15. Ovulation
16. Ventricular diastole
17. Pain receptors
18. Taste modalities
19. Types of lymphocytes
20. Negative feedback
