

Q.P. Code: 103379

Reg. No:.....

**First Year M.Sc Medical Physiology Degree Supplementary
Examinations February 2022**

(FOUNDATION COURSE)

Paper III – Physiology

Time: 3 hrs

Max. Marks: 70

- *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*

Essay:

(2x10=20)

1. What are the connections of cerebellum. Explain the functions of cerebellum. (3+7)
2. Describe the origin and spread of cardiac impulse. Explain the waves, intervals and segments of electrocardiogram. (5+5)

Short Notes:

(5x6=30)

3. Functions of granulocytes
4. Surfactant
5. Actions of thyroid hormones on cardiovascular system and nervous system
6. Movements of small intestine
7. Innervation of urinary bladder, micturition reflex and automatic bladder

Answer briefly:

(5x4=20)

8. Neuromuscular transmission
9. Travelling wave theory
10. Human chorionic gonadotropin
11. Regulation of aldosterone synthesis
12. Ventilation/Perfusion ratio
