

Q.P. Code: 103379

Reg. No:.....

**First Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations November 2023**

(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. Define cardiac output. Describe the factors regulating cardiac output. Mention two methods used to measure cardiac output. (2+6+2)
2. Mention the receptors of ascending tracts. Describe the anterolateral spinothalamic tract. (3+7)

Short Notes:

(5x6=30)

3. Rh blood group
4. Molecular basis of resting membrane potential
5. Micturition.
6. Neural regulation of respiration
7. Deglutition.

Answer briefly:

(5x4=20)

8. Fick's principle
9. Surfactant
10. Phagocytosis
11. Dwarfism
12. Male contraceptives
