

Q.P. Code: 103379

Reg. No:.....

**First Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations November 2024**

(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. Describe the origin, course and termination of the pyramidal tracts. Briefly describe the motor areas in cerebral cortex. (6+4)
2. Define blood pressure. Name the determinants of blood pressure. Explain the short term regulation of blood pressure by neural reflexes (2+2+6)

Short Notes:

(5x6=30)

3. Factors needed for erythropoiesis and factors affecting erythropoiesis
4. Oxygen-hemoglobin dissociation curve
5. Mechanisms of actions of peptide hormones
6. Phases and regulation of gastric secretion
7. Factors affecting glomerular filtration rate

Answer briefly:

(5x4=20)

8. Wallerian degeneration
9. Taste pathway
10. Hormonal basis of the different phases of uterine cycle
11. Cretinism
12. Compliance
