

Q.P. Code: 103379

Reg. No:.....

**First Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations November 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. Describe the pathways for pain sensations. What are the different types of receptors for pain. Briefly describe the sensory cortex. (6+2+2)
2. Define cardiac output. What is its normal value. Explain the regulation of cardiac output. (1+1+8)

Short Notes:

(5x6=30)

3. Pathways for coagulation of blood
4. Hypoxia
5. Actions of glucocorticoids
6. Deglutition
7. Counter current multiplication and exchange

Answer briefly:

(5x4=20)

8. Ionic basis of action potential in an axon
9. Accommodation
10. Factors affecting spermatogenesis
11. Acromegaly
12. Intrapleural and intrapulmonary pressure changes during breathing
