

Q.P. Code: 103379

Reg. No:.....

**First Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations September 2021**

(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 GFR. Explain the factors regulating GFR. Mention two methods used to measure GFR. (2+6+2)
2. Describe the mechanics of breathing.

Short Notes:

(5x6=30)

3. Laplace law
4. Functions of Basal Ganglia and mention its connections
5. Physiological effects of growth hormone
6. Neurogenic shock
7. Neuromuscular transmission

Answer briefly:

(5x4=20)

8. Mechanism of HCl secretion
9. Functions of thalamus
10. Factors regulating erythropoiesis
11. Hypothyroidism
12. Spermatogenesis
