

Q.P. Code: 103379

Reg. No:.....

**First Year M.Sc Medical Physiology Degree Supplementary
Examinations March 2020**

(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 pain pathways. Explain the analgesia system of human body. Add a note on referred pain. (4+4+2)
2. Describe the forms in which oxygen is transported in the blood. Explain the oxygen dissociation curve and the factors influencing it. (3+7)

Short Notes:

(5x6=30)

3. Complications of blood transfusion.
4. Haemorrhagic shock.
5. Functions of gastric juice and regulation of its secretion.
6. Physiologic effects of glucocorticoids.
7. Molecular basis of skeletal muscle contraction.

Answer briefly:

(5x4=20)

8. Heart sounds.
9. Functions of cerebellum.
10. Errors of refraction.
11. Factors controlling spermatogenesis.
12. Glucose reabsorption from renal tubules.
