

Q.P. Code: 103379

Reg. No:.....

**First Year M.Sc Medical Physiology Degree Supplementary
Examinations April 2019**

(FOUNDATION COURSE)

Paper III – Physiology

Time: 3 hrs

Max. Marks: 70

- *Answer all the questions*
- *Draw diagrams wherever necessary*

Essay:

(2x10=20)

1. Define cardiac output. Write its normal value. Describe the regulation of cardiac output. (1+1+8)
2. Write the normal value of serum calcium level. Name the hormones regulating blood calcium level. Describe their role in calcium homeostasis. (1+2+7)

Short Notes:

(5x6=30)

3. Functions of lymphocytes.
4. Hypoxia.
5. Small intestinal movements.
6. Neuromuscular transmission.
7. Presynaptic inhibition.

Answer briefly:

(5x4=20)

8. Functions of middle ear.
9. Endometrial changes during menstrual cycle.
10. Functions of reticular formation.
11. Special features of coronary circulation.
12. Micturition reflex.
