

Q.P. Code: 301379

Reg. No:.....

**Third Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations November 2020**

General Physiology, Haematology and Cardiovascular System

Time: 3 hrs

Max. Marks: 100

- *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:

(20)

1. Define cardiac output. Name the methods of determination. Explain one method in detail. Describe in detail its regulation.

Short Essays:

(8x10=80)

2. Define Erythropoiesis. Briefly describe the stages and the regulation of erythropoiesis.
3. Name the plasma proteins. Mention its functions and add a note on the mechanism of oedema.
4. Types of lymphocytes and their role in immunity.
5. Passive transport mechanisms.
6. Gap junctions and tight junctions.
7. How much is the total body water. How is it distributed and how are they measured.
8. Short term regulation of blood pressure.
9. Explain the normal coronary blood flow. Briefly explain the regulation.
