

Q.P. Code: 301379

Reg. No:.....

**Third Year M.Sc Medical Physiology Degree Supplementary
Examinations March 2021**

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 arterial blood pressure. Give the normal value. Explain the nervous and hormonal regulation of BP.

Short Essays:

(8x10=80)

2. Describe the morphology and functions of different types of granulocytes
3. List the important properties of cardiac muscle. Explain the electrical properties of cardiac muscle.
4. Describe the intrinsic mechanism of blood coagulation.
5. Define the term homeostasis. Give examples. Explain the role of negative feedback mechanism in homeostasis
6. Describe the structure of human cell membrane and explain the ion channels.
7. Define anemia. Classify anemia based on causes. Explain the effect of anemia on body.
8. List the indications of blood transfusion. Explain the precautions to be taken before blood transfusion. Add a note on cross matching.
9. Name the plasma proteins. Give their concentration. Describe the functions of plasma proteins
