

Q.P. Code: 301379

Reg. No:.....

**Third Year M.Sc Medical Physiology Degree Supplementary
Examinations February 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. Name the blood group systems. Explain basis for its classification. Add a note on its clinical importance. Add a note on blood banking and screening tests.

Short Essays:

(8x10=80)

2. Describe stages involved in erythropoiesis and factors which regulate erythropoiesis.
3. Define anticoagulants elaborate on in vivo and vitro anticoagulants with mechanism of action.
4. Mismatched blood transfusion and its complications.
5. Fate of haemoglobin and types of jaundice.
6. Properties of cardiac muscle and its importance.
7. Draw a neat labelled diagram of ECG Lead II and describe clinical significance.
8. Cardio vascular changes during moderate exercise.
9. Extra cellular compartment measurement methods and oedema.
