

Q.P. Code: 301379

Reg. No:.....

**Third Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations August 2019**

General Physiology, Haematology and Cardiovascular System

Time: 3 hrs

Max. Marks: 100

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

Essay: (20)

1. Describe hemodynamic events during cardiac cycle in detail.

Short Essays: (8x10=80)

2. Pacemaker potential and ventricular action potential
3. Compensatory mechanisms in response to hypovolemic shock
4. Hazards of mismatched blood transfusion
5. Ionic basis for action potential and properties of cardiac muscle.
6. Blood group systems and precautions to be taken for blood transfusion
7. Classify anticoagulants giving examples and their mode of actions
8. Heart blocks
9. Role of baro-receptors and chemo receptors in blood pressure regulation.
