

QP Code:102114

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Physiology
(MD) June 2020**

**Paper II - Systemic Physiology (Haematology, CVS, GIT, Respiratory System,
Renal Physiology)**

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 immunity. Discuss the role of lymphocytes in immunity.

Short essays:

(8x10=80)

2. Regulation of heart rate. Add a note on arrhythmias.
3. Coronary circulation.
4. Explain the factors affecting the affinity of haemoglobin for oxygen and its functional significance.
5. Mechanics of breathing.
6. Secretion of exocrine pancreas and its regulation.
7. Electrophysiology of smooth muscle in gastrointestinal system.
8. Buffer systems of the body fluids.
9. Mechanism of actions of diuretics.
