

QP Code:102114

Reg. No.:.....

**PG Degree Supplementary Examinations in Physiology (MD)
April 2026**

**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. Describe the concentrating and diluting ability of nephrons. Mention the site and mechanism of action of common diuretics.

Short essays: (8x10=80)

2. Oxygen therapy in different types of hypoxia.
3. Explain the role of chemoreceptors in regulation of respiration.
4. Pathophysiology of hypertension and basis of treatment.
5. Explain the physiology of cardiopulmonary resuscitation in cardiac arrest.
6. Causes and management of GERD (Gastro Esophageal Reflux Disease).
7. Migratory motor complex and Basic electrical rhythm.
8. Role of vitamin K in coagulation.
9. Role of plasma proteins in Starling's forces and pathophysiology of oedema.
