

**PG Degree Supplementary Examinations in Physiology (MD)**  
**July 2025**

**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. Role of platelets in hemostasis.

**Short essays:**

**(8x10=80)**

2. Pulmonary function tests in interstitial lung diseases.
3. J Receptors / Juxta-capillary receptors in the lungs.
4. Principle, leads and clinical significance of electrocardiogram (ECG).
5. Pathophysiology and management of hypovolemic shock.
6. Obstructive jaundice.
7. Gut brain axis.
8. Regulation of renal blood flow.
9. Describe the renal handling of water.

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