

QP Code:102114

Reg. No.:.....

**PG Degree Supplementary Examinations in Physiology (MD)  
December 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 cardiac output and describe various methods of determination of cardiac output and add a note on heart failure.

**Short essays:**

**(8x10=80)**

2. Explain the role of B cells in immune mechanisms of the body.
3. Explain basic electric rhythm (BER) and migrating motor complex (MMC).
4. Fibrinolytic system.
5. Explain renal circulation and its significance.
6. Define blood pressure and describe its regulation.
7. Describe erythropoiesis and factors regulating it.
8. Mechanisms of respiration.
9. Ventilation perfusion ratio.

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