QP	Code:102114	Reg. No.:

PG Degree Regular/Supplementary Examinations in Physiology (MD) July 2023

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)

Explain intrinsic and extrinsic pathway of coagulation. Name the tests performed
to the integrity of these pathways. Add a note on clinical significance of
International Normalized Ratio (INR). (10+5+5)

Short essays: (8x10=80)

- 2. Explain cardio respiratory changes in high altitude
- 3. Explain the regulation of cardiac output with experimental evidence
- 4. Regulation of respiration
- 5. Static and dynamic Compliance Definition, Measurement and clinical significance
- 6. Describe the renal handling of sodium with suitable diagram
- 7. Explain the mechanisms involved in production and maintenance of hyperosmaloar medullary interstitium
- 8. Gastric acid secretion and regulation
- Explain source, mechanism of action and regulation of Secretin and Cholecystokinin
