

QP Code: 101119

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Emergency
Medicine (MD) June 2024**

**Paper I – Applied Basic Sciences, General Emergency Medicine and Disaster
Preparedness**

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 cardiac cycle. Describe basic haemodynamic monitoring. Add a note on advanced haemodynamic monitoring. Describe RUSH protocol and its relevance in EMD. (5+5+5+5)

Short essays: (8x10=80)

2. Describe methods of pain relief in a patient with multiple rib fractures. Briefly describe the pain pathway in acute pain. (5+5)
3. Describe about treatment of acute life-threatening electrolyte imbalances in ICU.
4. Implications of history, X ray chest, ECGs, cardiac biomarkers in evaluation of acute chest pain. (3+2+2+3)
5. Describe long bone fracture management in pre-hospital care and in ED.
6. Describe rapid sequence intubation and pharmacology of all the drugs used in RSI.
7. Describe American Heart Association (AHA) algorithm for tachycardia management in acute care setting.
8. Describe in detail the procedural sedation and methods of pain relief in ED.
9. Define shock. Discuss the management of haemorrhagic shock. Mention the tests of haemostasis. (2+4+4)
