

QP Code: 101119

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Emergency
Medicine (MD) May 2021**

**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 indication of mechanical ventilation in Emergency medicine department. What are the commonly used modes of ventilation in the first 24 hrs of initiation of mechanical ventilation. What are the haemodynamic changes and respiratory changes that take place in a patient on IPPV with PEEP. How do you initiate mechanical ventilation in a polytrauma patient with GCS 6. (4+4+8+4)

Short essays:

(8x10=80)

2. Anatomy of conduction system of heart and explain various blocks & ECG features.
3. Physiology of thyroid hormone production and explain thyroid storm.
4. Discuss pharmacology of ACLS drugs.
5. Discuss type-II respiratory failure.
6. ECG changes and management of hyperkalaemia.
7. Describe shock and explain pathophysiology of septic shock.
8. Physiological changes in pregnancy
9. Methods to evaluate the airway and role of Supraglottic Airway Devices (SAD).
