

QP Code: _____

Reg. No.: ____

PG Degree Examination in Emergency Medicine (MD)

Paper IV – Emergency Medicine including Recent Advances

(Recent advances in Emergency Medicine, Pre-hospital care, Pediatrics, Obstetrics, Disaster medicine, Forensic medicine, ED administration, Medico-legal aspects)

Time: 3 hrs

Max marks: 100

Draw tables, diagrams, or flow charts wherever necessary.

Essay:

(20)

1. A 5-year-old boy is brought to the ED in a drowsy state. Parents give a history of abdominal pain, loose stools, and severe thirst. On examination, the child is drowsy, with sunken eyes, dry skin, CRT >3 secs, HR 132/min with weak pulses, BP 80/50 mmHg, SpO₂ 96% on room air.

Identify the most likely dehydration category and state the immediate ED priority.

Discuss the ED clinical assessment of dehydration in children, including features of shock in this child.

Classify dehydration in children and mention the limitations of clinical assessment in the ED.

Discuss the ED differential diagnosis of abdominal pain with loose stools and drowsiness in this child.

Discuss the emergency management and fluid therapy in this child. Add a note on how fluid therapy would change if diabetic ketoacidosis is suspected.

Short essays:

(8 x 10 = 80)

2. Discuss Temperature Regulation after cardiac arrest – indications, protocol and complications.
3. Describe the principles of pre-hospital trauma care. Add a note on triage systems.
4. Describe postpartum haemorrhage – causes, clinical features and emergency management.
5. Discuss the incident command system in disaster management.
6. Describe the medico-legal aspects of poisoning. Add a note on preservation of samples.
7. Discuss emergency department overcrowding – causes, impact and solutions.
8. Describe recent guidelines of neonatal resuscitation. Add a note on drugs used.
9. Describe ectopic pregnancy – clinical features, diagnosis and emergency management.