THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 1224] **DECEMBER 2024** **Sub. Code: 4088**

(OCTOBER 2023 EXAM SESSION)

M.D. DEGREE EXAMINATION

EMERGENCY MEDICINE

PAPER IV – PEDIATRICS, DISASTER MANAGEMENT, PRE HOSPITAL CARE AND RECENT ADVANCES IN EMERGENCY MEDICINE

Q.P. Code: 204088

Time : Three Hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. a) Elaborate various diving related injuries.
   b) Pathophysiology and classification of Decompression sickness.
   c) Evaluation and management in ED.

2. 5-year-old boy presented to ED in drowsy state. Parents give history of abdomen pain with loose stools and severe thirst.
   O/E: child drowsy, sunken eyes, dry skin, CRT:>3 secs. HR:132/min with weak pulses, BP:80/50 mm hg, SpO2: 96% in room air.
   a) Assess dehydration status and discuss on classification of dehydration.
   b) Causes for abdomen pain with loose stools and clinical features.
   c) Discuss on management and fluid therapy.

II. Write notes on: **(10 x 7 = 70)**

1. What is HAZMAT? Discuss on zones of decontamination in the field.
2. a) Causes for stridor in infants.
   b) Diagnosis and treatment of Croup.
3. Certification of Brain death.
4. Use of Ultrasound in undifferentiated shock.
5. You are preparing for an air medical transport of a critically ill trauma patient with chest injury for which an ICD was inserted and lower limb splint. What are the precautions to be taken pertaining to airway and breathing of this patient? Any other considerations for this patient before transfer.
6. Discuss the protocol to be followed for restraining and sedating a patient with acute behavioural disturbance in ED. Outline the complications.
7. GRACE guidelines for low-risk chest pain.
8. Role of automated chest compression devices in ED.
9. Trials on Targeted Temperature Management.
10. EXTEND trial for Thrombolysis.

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THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MD 1025] **OCTOBER 2025** **Sub. Code: 4088**

M.D. DEGREE EXAMINATION

EMERGENCY MEDICINE

PAPER IV – PEDIATRICS, DISASTER MANAGEMENT, PRE HOSPITAL CARE AND RECENT ADVANCES IN EMERGENCY MEDICINE

Q.P. Code: 204088

Time : Three Hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Stridor in children – Etiology, Clinical assessment, Investigation and Management.
2. Triaging – Triaging criteria, Disaster Triaging, Response and Management.

II. Write notes on: **(10 x 7 = 70)**

1. Croup.
2. Brief Resolved Unexplained Event.
3. Febrile seizures.
4. Intussusception.
5. REBOA in ED.
6. Difficult airway and Video laryngoscopy.
7. Tenecteplase use in ED.
8. AVPU assessment.
9. Electronic alter systems in ED.
10. Traction devices and splints.

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THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MD 0526] **MAY 2026** **Sub. Code: 4088**

M.D. DEGREE EXAMINATION

EMERGENCY MEDICINE

PAPER IV – PEDIATRICS, DISASTER MANAGEMENT, PRE HOSPITAL CARE AND RECENT ADVANCES IN EMERGENCY MEDICINE

Q.P. Code: 204088

Time : Three Hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 15 = 30)**

1. Status epileptics in child – Etiology, Management with drug doses.

2. Chemical injuries – Types of injuries, Causes, First aid, Prevention and Preparedness.

II. Write notes on: **(10 x 7 = 70)**

1. Acute epiglottitis.
2. Helmet removal in trauma.
3. Acute asthma management in paediatrics.
4. Acute gastroenteritis management in children.
5. Trails of fluid management in sepsis.
6. Field Triage (START – Simple Triage and Rapid Treatment).
7. HEMS transport.
8. Disaster preparedness.
9. Tranexamic acid in trauma – trials.
10. ROTEM.

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