

**EMERGENCY MEDICINE**

**PAPER – III**

EM.MED./D/17/52/III

Time : 3 hours

Max. Marks : 100

**Important instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

**Write short notes on:**

1. A 30-year patient presents to the emergency with fever and altered sensorium. 4+6
  - a) Enumerate differential diagnosis
  - b) Approach to the patient in the ED
2. A 68 year old male presents to ED with chest pain. His ECG shows ST- segment elevation in V2-V6. 2+2+3+3
  - a) Enumerate causes of ST segment elevation
  - b) How will you manage this patient in the ED?
  - c) Discuss HEART score and TIMI score in a patient with chest pain.
  - d) How will you decide between percutaneous coronary intervention and fibrinolytic therapy?
3. A 30 year old presents to the emergency with an acute onset of breathlessness. 3+2+2+3
  - a) Enumerate the causes of acute onset of breathlessness
  - b) In a patient with acute asthma, how do you classify his asthma attack based on the peak expiratory flow rate (PEFR).
  - c) What are the indications for assisted ventilation in a patient with acute asthma?
  - d) What are the initial ventilator settings for invasive positive pressure ventilation in acute asthma?
4. A 42 year old male is brought to the ED with right arm and leg weakness with slurring of speech for past 2 hours. His vitals are PR 100/min, BP 200/130 mmHg and oxygen saturation 95%. He is fully conscious. 5+2+3
  - a) Step-wise assessment and management of this patient in ED.
  - b) What are stroke-mimics?
  - c) What are the absolute and relative contraindications to fibrinolytic therapy?

**EMERGENCY MEDICINE**

**PAPER – III**

- |     |   |         |
|-----|---|---------|
| 5.  | a) What are the causes acute onset of jaundice?<br>b) List the complications of cirrhosis of liver<br>c) Discuss briefly spontaneous bacterial peritonitis<br>d) Discuss briefly hepato-renal syndrome        | 2+2+3+3 |
| 6.  | a) Pathophysiology of acute kidney injury<br>b) RIFLE criteria for acute kidney injury<br>c) Laboratory evaluation of acute kidney injury<br>d) Radiocontrast-induced nephropathy                             | 3+3+2+2 |
| 7.  | A patient has come with suspected tetanus. Discuss the following:<br>a) Pathophysiology of tetanus<br>b) Control of muscle spasms<br>c) Control of autonomic dysfunction<br>d) Immunotherapy and immunization | 3+3+2+2 |
| 8.  | a) Factors precipitating lithium toxicity<br>b) Toxic effects of chronic lithium poisoning<br>c) Management of chronic lithium poisoning  | 3+4+3   |
| 9.  | a) Regulation of body temperature<br>b) Cooling techniques in heat stroke<br>c) Complications of heat stroke  | 3+4+3   |
| 10. | a) Clinical features of myxedema crisis<br>b) List differential diagnosis of myxedema crisis<br>c) ED treatment of myxedema crisis  | 3+2+5   |

\*\*\*\*\*