

EMERGENCY MEDICINE**PAPER-II**Time: 3 hours
Max. Marks:100

EM/D/20/52/II

Important Instructions:

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- 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) Differentiate between neurogenic and spinal shock. 2+4+4
b) Differences in children to be considered in treating spinal cord injury.
c) Management of mild traumatic brain injury in the ER.
2. A 10-year-old boy presents to the ER with severe pain in his eye, watering and photophobia. He says that he was hit in the eye while playing ball. 2+4+2+2
a) Differential diagnosis of acute painful eye.
b) USG in ocular trauma.
c) Management of corneal abrasion in the ER.
d) Management of chemical ocular injury in the ER.
3. a) Infectious and non-infectious causes of sore throat. 2+2+3+3
b) Red flag symptoms and signs of acute sore throat.
c) Risk stratification and investigations for acute sore throat.
d) Empirical management of patient with acute sore throat.
4. a) Open pneumothorax. 3+3+4
b) Rib fractures.
c) Role of ultrasound in the ER in chest trauma.
5. A 28-year-old female presents to the ER with vaginal bleeding. She has lost about 200-250 ml of blood. She has had a normal delivery about 48 hours prior to the presentation. 2+2+4+2
a) Causes of post-partum haemorrhage.
b) Risk factors for post-partum haemorrhage.
c) Investigations and management.
d) Complications of post-partum haemorrhage. **P.T.O.**

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6. a) Causes of acute low back pain. 2+2+6
b) Red flag symptoms in back pain.
c) Cauda equina syndrome.
7. a) Clinical presentation of acute limb ischemia. 2+3+2+3
b) Rutherford criteria for acute limb ischemia.
c) Differential diagnosis of acute limb ischemia.
d) ER management of acute limb ischemia.
8. A 58-year-old male presents to ER with distended abdomen, vomiting episodes and constipation since 2 days. You suspect bowel obstruction. 3+2+5
a) Common causes of bowel obstruction.
b) Key features of ileus and mechanical bowel obstruction.
c) ER management of the above patient.
9. A 28-year-old male presented to ED with severe pain in the left lower leg following crush injury 2 days ago. The left lower leg is edematous and red. Crepitus is present. 3+2+5
a) Describe anatomy and pathophysiology of compartment syndrome.
b) Investigations in compartment syndrome.
c) Treatment of compartment syndrome.
10. A 24-year-old wrestler had injury to his right shoulder while wrestling. He comes to ER with pain in his shoulder and restricted shoulder movement. He has had two episodes of shoulder dislocation in the past. 3+3+4
a) Clinical assessment of the above patient.
b) Investigations.
c) Management of anterior shoulder dislocation.
