

**EMERGENCY MEDICINE**

**PAPER-IV**

EM/J/18/52/IV

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) What is HAZMAT? 1+3+6  
b) How will you recognize an HAZMAT event?  
c) What are the various control zones for decontamination in the field?
2. A 7-month old male child presented to the ED with episodes of crying spells and red coloured stools. His mother noticed a mass in the right lower quadrant of abdomen. 3+4+3  
a) What are the possible diagnoses?  
b) How do you investigate this child?  
c) How do you manage the child in ED?
3. a) What are the key changes in recent 2018 ATLS guidelines compared to the previous ATLS guidelines? 6+4  
b) Classify haemorrhagic shock as per 2018 ATLS guidelines
4. a) What is BLUE protocol for ultrasound in ED? 2+4+4  
b) Describe different profiles in lung USG.  
c) Role of USG in diagnosis of lung parenchymal diseases.
5. a) What is Sudden Infant Death Syndrome(SIDS). 2+3+3+2  
b) Enumerate various causes for SIDS.  
c) What are the risk factors for SIDS?  
d) How will you prevent SIDS?
6. a) Revised diagnostic criteria for sepsis and septic shock. 3+2+5  
b) qSOFA scoring of sepsis.  
c) Recent Surviving Sepsis Bundles Guidelines
7. a) Causes of abdominal pain in neonates and young infants. 3+7  
b) Major life-threatening causes of abdominal pain in neonates and young infants.

**P.T.O.**

8. A two-year-old child presented with fever, drooling of saliva and stridor. 2+1+2+2+3  
a) Enumerate causes of stridor in infants and children.  
b) What is croup?  
c) Clinical presentation of croup.  
d) Diagnosis of croup.  
e) Treatment of croup.
9. A 12-year old child presented to your ED with fever and severe headache. The attending physician suspected him to be suffering from Nipah virus infection. Discuss the following with regard to Nipah virus infection: 3+2+3+2  
a) History and epidemiology  
b) Transmission of infection  
c) Clinical features  
d) Management
10. a) Discuss about Odd's ratio giving an example. 5+5  
b) Discuss about likelihood ratio giving an example.

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