

**EMERGENCY MEDICINE**

PAPER-IV

EM/D/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) Recent advances in management of a difficult airway. 6+4  
b) Enumerate methods of percutaneous tracheostomy.
2. Write about RUSH protocol in ICU: 2+4+3+1  
a) Indications,  
b) Methods,  
c) Techniques and  
d) Pitfalls
3. a) Recent/last updates in Basic Life Support and Advanced Cardiac Life Support guidelines. 5+5  
b) Recent updates in Advanced Trauma Life Support guidelines.
4. a) Etiology of meningitis in children. 2+(2+2+2+2)  
b) Clinical features, physical examination, laboratory evaluation and ED treatment of bacterial meningitis in this age group.
5. a) Define sepsis. 2+2+6  
b) qSOFA score in ED.  
c) Describe recent surviving sepsis guidelines including one hour and six hour bundles.
6. a) Enumerate causes of vomiting by age. 3+3+4  
b) Clinical guidelines for assessing dehydration in children.  
c) How will you treat a case of mild to moderate dehydration in children?

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7. a) Describe pediatric seizure disorder. 3+3+4  
b) Write about their presentation.  
c) Write its ED management.
8. a) Transmission, clinical presentation and management of Nipah virus. 5+5  
b) Transmission, clinical presentation and management of Zika virus.
9. A 2-year-old child presented with fever, drooling of saliva and stridor. 2+2+2+2+2  
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.
10. a) Enumerate medicines used in Rapid sequence intubation (also known as drug assisted intubation). 2+8  
b) Write about pharmacology of importance of medicines used in rapid sequence intubation as per recent updates.

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