

EMERGENCY MEDICINE

PAPER – IV

EM/J/17/52/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) Tabulate differences in single rescuer cardiopulmonary resuscitation in a neonate, infant and child in cardiac arrest. 5+2+3
b) Role of vasopressin in adult CPR.
c) Role of coronary angiography in an adult in post-cardiac arrest phase.
2. A 1 year old child weighing 7 kg presents with diarrhea for 2 days. 3+3+4
a) How do you evaluate degree of dehydration?
b) What is the complication of oral rehydration solution?
c) Management of above mentioned child if he has severe dehydration.
3. a) Rapid Sequence Intubation (RSI). 4+4+2
b) Preferred induction agents in RSI.
c) Contraindications for using succinylcholine in RSI.
4. a) Revised Geneva Score for diagnosis of pulmonary embolism. 4+3+3
b) Newer anticoagulants in treatment of VTE.
c) Treatment of subsegmental pulmonary embolism.
5. A young child is admitted in the emergency with URI & respiratory distress. You notice a “whoop”:
a) What are the clinical features of this disease in adults?
b) Treatment of B.pertussis infection.
c) Role of vaccination. 3+3+4
6. Surviving Sepsis Campaign: International Guidelines for management of severe sepsis were revised in 2016. As per the guidelines, discuss the following: 4+3+3
a) Initial resuscitation of septic shock
b) Use of antibiotics
c) Use of vasoactive medications.

P.T.O.

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7. a) Principles of managing serious traumatic brain injury in children. 5+5
b) Revised trauma score.
8. a) Indications for 'procedural sedation' in a child. 3+3+4
b) List preferred agents for procedural sedation in children.
c) What precautions / monitoring you would follow in a sedated child after procedural sedation?
9. A young boy presents to the emergency with painful red eye with photophobia: 3+3+4
a) List the causes.
b) How will you evaluate a child for corneal abrasion?
c) Treatment of a child with chemical injury in the eye.
10. A young child is brought to the emergency with multiple bruises: 3+3+4
a) When would you suspect child abuse based on presence of multiple basis bruises?
b) What are the other injuries noted in abused children?
c) How would you investigate and treat an abused child?
