

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

EM/J/19/52/IV

**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) Use of REBOA in ED. 5+5  
b) Use of ECMO in ED.
2. a) What is routine newborn care? 2+5+3  
b) Discuss steps of neonatal resuscitation.  
c) Vascular access in the new born.
3. a) How will you clinically evaluate dehydration in children? 3+4+1+2  
b) Treatment of dehydration according to severity.  
c) Composition of reduced WHO ORS.  
d) Maintenance phase for successfully rehydrated children.
4. a) Discuss types of neglect in children. 2+2+6  
b) Risk factors for child maltreatment.  
c) Diagnosis of physical abuse in child.
5. a) Causes of jaundice in neonates and infants. 3+4+3  
b) Pathogenesis of various causes of jaundice in children.  
c) Approach to a child with jaundice.
6. a) Confidence interval. 3+4+3  
b) Positive and negative predictive values.  
c) Triple-blinded, randomized studies.
7. a) What are LVADs (Left Ventricular Assist Devices)? 2+2+3+3  
b) What are the indications of LVADs?  
c) How do LVADs function?  
d) Medical complications of LVADs.

**P.T.O.**

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8. a) What are two different classes of novel oral anticoagulants (NOAC) and enumerate commonly used drugs of each class? 2+2+3+3  
b) Role of NOAC in patients with atrial fibrillation.  
c) CHA<sub>2</sub>-DS<sub>2</sub>-VASc score.  
d) HAS-BLED score.
9. a) Ocular ultrasound. 3+5+2  
b) FALLS protocol.  
c) Ultrasound finding in pneumonia.
10. a) High sensitivity troponin. 4+3+3  
b) HEART pathway.  
c) ADvISED trial in aortic dissection.

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