

National Board of Examinations

Question Paper Name :	DNB Emergency Medicine Paper4
Subject Name :	DNB Emergency Medicine Paper4
Duration :	182
Total Marks :	100
Display Marks:	No
Maximum Instruction Time :	0
Is Section Default? :	No

Question Number : 1 Question Id : 32718745453 Consider As Subjective : Yes

Please write your answers in the answer booklet within the allotted pages as follows:-

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. a) Discuss the role of high-sensitivity troponin in chest pain evaluation. [5]
- b) Describe the HEART score and its application. [5]

Question Number : 2 Question Id : 32718745454 Consider As Subjective : Yes

- a) Outline the principles of ECPR in emergency settings. [5]
- b) Discuss indications and contraindications for ECPR. [5]

Question Number : 3 Question Id : 32718745455 Consider As Subjective : Yes

- a) Describe the use of point-of-care ultrasound in pediatric trauma. [5]
- b) Discuss the FAST protocol in children. [5]

Question Number : 4 Question Id : 32718745456 Consider As Subjective : Yes

- a) Discuss the ED management of febrile seizures in children. [5]
- b) Describe the role of antipyretics and benzodiazepines. [5]

Question Number : 5 Question Id : 32718745457 Consider As Subjective : Yes

- a) Outline the approach to pediatric status asthmaticus. [5]
- b) Discuss the role of magnesium sulphate and ketamine. [5]

Question Number : 6 Question Id : 32718745458 Consider As Subjective : Yes

- a) Describe the ED evaluation of pediatric dehydration. [5]
- b) Discuss fluid therapy in moderate vs severe dehydration. [5]

Question Number : 7 Question Id : 32718745459 Consider As Subjective : Yes

- a) Discuss the role of artificial intelligence (AI) in emergency department triage and decision support systems. [5]
- b) Summarize recent evidence / updates in ACLS. [5]

Question Number : 8 Question Id : 32718745460 Consider As Subjective : Yes

- a) Define sensitivity, specificity, positive predictive value (PPV), and negative predictive value (NPV). Illustrate with a 2×2 contingency table. [5]
- b) A new rapid test for pediatric meningitis has a sensitivity of 90% and specificity of 85%. In a population with 10% disease prevalence, calculate the PPV and NPV. Interpret the results in the context of emergency decision-making. [5]

Question Number : 9 Question Id : 32718745461 Consider As Subjective : Yes

- a) PRAM - Pediatric respiratory assessment measure. [5]
- b) Write the ED algorithm of managing a child with bronchiolitis. [5]

Question Number : 10 Question Id : 32718745462 Consider As Subjective : Yes

- a) Outline recent advances in sepsis biomarkers. [5]
- b) Discuss the role of procalcitonin and lactate in pediatric sepsis. [5]