

National Board of Examinations

Question Paper Name : DrNB PAEDIATRIC CRITICAL CARE Paper2
Subject Name : DrNB PAEDIATRIC CRITICAL CARE Paper2
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718740804 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
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Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. A two-year-old child presented to emergency with history of fever and cough for 2 days and difficulty in breathing for one day. Child is restless and unable to feed. SpO₂ in room air is 85% and has audible stridor with chest indrawing.

- What is the most likely cause of stridor in this child? [2]
- Discuss various causes of stridor in children. [3]
- How do you assess the severity of stridor? [2]
- Outline approach to diagnosis and initial management of this child in emergency. [3]

Question Number : 2 Question Id : 32718740805 Consider As Subjective : Yes

A 5-year-old child was brought with a history of vomiting, pain abdomen and drooling of saliva following ingestion of toilet cleaner 2 hours back.

- Outline the management strategy in this child. [4]

- b) Describe the short term and long term complications and their management. [3]
- c) How will you grade the severity of corrosive poisoning? [3]

Question Number : 3 Question Id : 32718740806 Consider As Subjective : Yes

- a) Management of SVT refractory to one dose of adenosine therapy. [5]
- b) Management of abdominal compartment syndrome. [5]

Question Number : 4 Question Id : 32718740807 Consider As Subjective : Yes

- a) Anticoagulation strategies for CRRT in children. [5]
- b) Discuss initial assessment and ER management of a 5 year old child with road traffic accident. [5]

Question Number : 5 Question Id : 32718740808 Consider As Subjective : Yes

A one-year-old child had mild cough and cold for two days. He was given some medication from household to relieve cough at night. After about an hour he became drowsy and was taken to a nearby hospital. He was not arousable, HR-140/minute, RR-30/minute and SpO₂- 80% in room air with shallow breathing efforts.

- a) Discuss differential diagnosis and investigations required. [5]
- b) Write steps of management for this child. [5]

Question Number : 6 Question Id : 32718740809 Consider As Subjective : Yes

- a) Isolation and reverse isolation in PICU. [5]
- b) Discuss assessment of a 4 year old child with burns in emergency and first day management. [5]

Question Number : 7 Question Id : 32718740810 Consider As Subjective : Yes

A 10-year-old child was brought with a history of snake bite on right foot during sleep. He developed difficulty in swallowing; his eyelids are drooping and not able to walk even with support. There are two bite marks but no local pain or swelling.

- a) Write the management plan for this child. [6]
- b) What are the expected complications in different types of snake bites? [4]

Question Number : 8 Question Id : 32718740811 Consider As Subjective : Yes

- a) Discuss merits and limitations of non invasive ventilation in children. [5]
- b) Discuss available devices and interfaces for NIV. [5]

Question Number : 9 Question Id : 32718740812 Consider As Subjective : Yes

a) Write management of hypercyanotic spell. [5]

b) Discuss management of a 10-year-old child with fever of 4 days, dengue NS1 antigen positive with feeble pulses and platelet count of 25000/cu mm. [5]

Question Number : 10 Question Id : 32718740813 Consider As Subjective : Yes

Discuss pathogenesis, identification and treatment modalities for acute brain dysfunction in sepsis-associated encephalopathy(SAE). [4+3+3]