

National Board of Examinations

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| Question Paper Name : | DrNB PAEDIATRIC CRITICAL CARE Paper2 |
| Subject Name : | DrNB PAEDIATRIC CRITICAL CARE Paper2 |
| Creation Date : | 2025-01-19 09:52:38 |
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DrNB PAEDIATRIC CRITICAL CARE Paper2

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|---------------------------------|------------|
| Group Number : | 1 |
| Group Id : | 3271872890 |
| Group Maximum Duration : | 0 |
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DrNB PAEDIATRIC CRITICAL CARE Paper2

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| Section Id : | 3271872893 |
| Section Number : | 1 |
| Section type : | Offline |
| Mandatory or Optional : | Mandatory |
| Number of Questions : | 10 |
| Number of Questions to be attempted : | 10 |
| Section Marks : | 100 |
| Maximum Instruction Time : | 0 |
| Sub-Section Number : | 1 |
| Sub-Section Id : | 3271872897 |
| Question Shuffling Allowed : | No |

Question Number : 1 Question Id : 32718734754 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

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. An 8-year-old child is brought in by parents after being found unconscious. He is unresponsive and pulseless. ECG shows a wide complex tachycardia. Outline the management algorithm in the scenario. [10]

Question Number : 2 Question Id : 32718734755 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- Detail the management of status asthmaticus in the Emergency department. [6]
- Describe risk factors for poor prognosis. [2]
- Indications of impending respiratory failure and ventilation. [2]

Question Number : 3 Question Id : 32718734756 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

A mother calls that her 3 year old, has just swallowed a button battery as he was playing with his toys.

- What telephonic advise can you give? [2]
- What are the considerations in the approach toward evaluation? [5]
- Discuss the management options for this child. [3]

Question Number : 4 Question Id : 32718734757 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- Describe the key characteristics of fluid responsiveness, fluid tolerance and fluid overload. [3]
- VExUS score. [3]
- Write briefly on ultrasonographic assessment of fluid responsiveness. [4]

Question Number : 5 Question Id : 32718734758 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- Draw and depict the clinical phases of dengue fever. [2]

- b) Write on the fluid management of dengue fever with warning signs and dengue shock. [4]
c) Describe colloids that can be used in dengue shock with indications, efficacy and safety. [4]

Question Number : 6 Question Id : 32718734759 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

A 2-year old child with history of road traffic accident is rushed to the nearby primary health centre.

- a) Discuss the emergency management of the child. [5]
b) Discuss the transport considerations that will take to transfer the child safely to a higher centre. [5]

Question Number : 7 Question Id : 32718734760 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

A 10-year-old girl having a weight of 80 kg is electively posted for an abdominal surgery under general anesthesia.

- a) Enlist the anatomical and pathophysiological challenges anticipated during ventilation of this child. [5]
b) Outline an airway and ventilation management algorithm for this girl. [5]

Question Number : 8 Question Id : 32718734761 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

A 1-year-old baby is brought by her mother with fever, cough and cold for 3 days and decreased sensorium, lethargy and seizures for 1 day. Mother says she has been giving paracetamol drops and syrups that she bought from a nearby shop and multiple doses as the fever has been high and persisting.

- a) Describe the pathophysiology of paracetamol over dosage in this case scenario. [5]
b) Role of paracetamol levels in this context. [2]
c) Enumerate the management steps. [3]

Question Number : 9 Question Id : 32718734762 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) What are the eight attributes of an acutely ill child? Draw and briefly describe the possible illness trajectories of an acutely ill child. [6]
b) Activated charcoal : Mechanism of action, indications, contraindications and dosage. [4]

Question Number : 10 Question Id : 32718734763 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Outline the emergency protocol for management of paediatric sepsis. [6]

b) Protocolised treatment is associated with improved outcome in paediatric sepsis - Justify. [4]