

# National Board of Examinations

Question Paper Name :	DrNB PAEDIATRIC CRITICAL CARE Paper3
Subject Name :	DrNB PAEDIATRIC CRITICAL CARE Paper3
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## DrNB PAEDIATRIC CRITICAL CARE Paper3

Group Number :	1
Group Id :	3271872891
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100

## DrNB PAEDIATRIC CRITICAL CARE Paper3

Section Id :	3271872894
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 :	3271872898
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718734764 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. A 6-year-old child is admitted to the PICU with respiratory failure post-bone marrow transplant. Discuss the various causes of respiratory failure in a post bone marrow transplant recipient. Highlight the relation to the time phase following the transplant. [5+5]

**Question Number : 2 Question Id : 32718734765 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Write briefly on extracorporeal therapies in acute liver failure. [5]
- b) What are the 4 main principles of medical ethics? [2]
- c) What are the aims of end of life care? [3]

**Question Number : 3 Question Id : 32718734766 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Fluid over load and acute kidney injury in PICU. [10]

**Question Number : 4 Question Id : 32718734767 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Pros and cons of intracranial pressure monitoring. [5]
- b) NIRS and Bi-Spectral Index. [5]

**Question Number : 5 Question Id : 32718734768 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

A 2-year-old boy is brought to the intensive care unit after the intracardiac repair for Tetralogy of Fallot.

- a) Discuss on the common principles of management in the post-operative period and the anticipated complications. [6]
- b) How will you manage junctional tachycardia in this context? [4]

**Question Number : 6 Question Id : 32718734769 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Define CLABSI and CRBSI. [3]
- b) Write on the recommended practices for prevention and management of CLABSI. [7]

**Question Number : 7 Question Id : 32718734770 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Write on the various anticoagulation options in extra-corporeal circuits. [10]

**Question Number : 8 Question Id : 32718734771 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Briefly write on the bedside application of the PALICC-2 definition. [5]
- b) Draw and show the breathing circuit types used for non-invasive ventilation. [5]

**Question Number : 9 Question Id : 32718734772 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Write on the steps of investigations and management of an outbreak in PICU. [10]

**Question Number : 10 Question Id : 32718734773 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Effect of various diseases on ventilation perfusion relationship. [4]
- b) Outline management of a 6 month old child with myocarditis with cardiogenic shock and SpO<sub>2</sub> on non-rebreathing mask of 78%. [6]