

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB PAEDIATRIC CRITICAL CARE Paper1
<b>Subject Name :</b>	DrNB PAEDIATRIC CRITICAL CARE Paper1
<b>Creation Date :</b>	2022-12-22 22:33:27
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DrNB PAEDIATRIC CRITICAL CARE Paper1

<b>Group Number :</b>	1
<b>Group Id :</b>	3271871530
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## DrNB PAEDIATRIC CRITICAL CARE Paper1

<b>Section Id :</b>	3271871533
<b>Section Number :</b>	1
<b>Section type :</b>	Offline

**Mandatory or Optional :** Mandatory

**Number of Questions to be attempted :** 10

**Section Marks :** 100

**Enable Mark as Answered Mark for Review and Clear Response :** Yes

**Maximum Instruction Time :** 0

**Sub-Section Number :** 1

**Sub-Section Id :** 3271871537

**Question Shuffling Allowed :** No

**Is Section Default? :** null

**Question Number : 1 Question Id : 32718714492 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**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. ARDS:
- a) Pathophysiology of primary ARDS. [5]
  - b) Radiological changes (X-Ray, Ultrasound and CT). [3]
  - c) Diagnostic criteria and severity. [2]

**Question Number : 2 Question Id : 32718714493 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Oxygen toxicity:

a) Pathophysiology of oxygen toxicity. [6]

b) Antioxidants. [4]

**Question Number : 3 Question Id : 32718714494 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

You are suspecting cerebral salt wasting in a child with meningitis:

a) Discuss the pathophysiology of cerebral salt wasting. [5]

b) How to differentiate between cerebral salt wasting, syndrome of inappropriate anti-diuretic hormone and diabetes insipidus? [5]

**Question Number : 4 Question Id : 32718714495 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Buffer systems of the body. [10]

**Question Number : 5 Question Id : 32718714496 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Capnometry:

a) Principles of capnometry. [4]

b) Differential diagnosis of abnormal capnograms. [3]

c) Effects of abnormal PCO<sub>2</sub> on body. [3]

**Question Number : 6 Question Id : 32718714497 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Mechanism of reperfusion injury. [10]

**Question Number : 7 Question Id : 32718714498 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- a) Receiver Operating Characteristic Curve. [5]
- b) A systematic review and meta-analysis. [5]

**Question Number : 8 Question Id : 32718714499 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Severity indices in PICU. [10]

**Question Number : 9 Question Id : 32718714500 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

- a) Mechanism of acute kidney injury in diarrhoea. [5]
- b) Mechanisms of fluid electrolyte disturbances in diabetic ketoacidosis. [5]

**Question Number : 10 Question Id : 32718714501 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Pharmacology of:

- a) Tocilizumab. [5]
- b) Milrinone. [5]