

# National Board of Examinations

<b>Question Paper Name :</b>	DrNB CRITICAL CARE MEDICINE Paper1
<b>Subject Name :</b>	DrNB CRITICAL CARE MEDICINE Paper1
<b>Creation Date :</b>	2024-05-15 21:34:15
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DrNB CRITICAL CARE MEDICINE Paper1

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872913
<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 CRITICAL CARE MEDICINE Paper1

<b>Section Id :</b>	3271872916
<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 :** 3271872920  
**Question Shuffling Allowed :** No  
**Is Section Default? :** null

**Question Number : 1 Question Id : 32718730524 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. What is the role of following in ICU patients?

- a) 20% Albumin. [4]
- b) 0.45 % NS. [3]
- c) IVIG. [3]

**Question Number : 2 Question Id : 32718730525 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction**

**Time : 0**

**Correct Marks : 10**

Cerebral blood flow and its:

- a) Techniques of ICP monitoring. [4]
- b) Monro-Kellie doctrine or hypothesis. [3]
- c) Jugular venous oximetry. [3]

**Question Number : 3 Question Id : 32718730526 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Acute kidney injury (AKI):

- a) Pathophysiology. [3]
- b) Biomarkers. [3]
- c) Preventive measures. [4]

**Question Number : 4 Question Id : 32718730527 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) Compare and contrast between defibrillation and cardioversion. [4]
- b) Heart conduction blocks. [3]
- c) Classify anti-arrhythmic drugs. [3]

**Question Number : 5 Question Id : 32718730528 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) Nutrition in severely malnourished 65-years-old female CKD (Chronic Kidney Disease) patient in ICU. [6]
- b) Perfusion Index by Pulse oximetry. [4]

**Question Number : 6 Question Id : 32718730529 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

What are the blood pressure targets and management of a 60-year-old male patient with BP of 210/130 mmHg in:

- a) Acute Ischemic Stroke. [5]
- b) Aneurysmal subarachnoid haemorrhage. [5]

**Question Number : 7 Question Id : 32718730530 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) Role of ethical committee in clinical research. [3]
- b) Null hypothesis. [3]
- c) Intention to treat analysis. [4]

**Question Number : 8 Question Id : 32718730531 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

What is Global Increased Permeability Syndrome (GIPS) and management of GIPS? [5+5]

**Question Number : 9 Question Id : 32718730532 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) Artificial intelligence and machine learning in Critical Care Medicine. [4]
- b) Closed loop ventilation. [3]
- c) What is the current status of APRV mode in current practice in ICU? [3]

**Question Number : 10 Question Id : 32718730533 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) Frank Starling Law? [3]
- b) Applications of Frank Starling Law in current clinical practice. [3]
- c) Role of diaphragm ultrasound in critical care. [4]