

# 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>	2023-04-25 11:44:57
<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>	3271872106
<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>	3271872109
<b>Section Number :</b>	1
<b>Section type :</b>	Offline

<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271872113
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Number : 1 Question Id : 32718721233 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. Classify and comparatively evaluate antibacterial agents belonging to  $\beta$ -lactam group. [10]

**Question Number : 2 Question Id : 32718721234 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) Refeeding syndrome. [5]
- b) Sick euthyroid syndrome. [5]

**Question Number : 3 Question Id : 32718721235 Question Type : SUBJECTIVE Consider As**

**Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Define transpulmonary pressure. What is its clinical utility and how it is measured? [2+(4+4)]

**Question Number : 4 Question Id : 32718721236 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) Chi-square test. [3]

b) Analysis of variance (ANOVA). [3]

c) Phases of clinical trials. [4]

**Question Number : 5 Question Id : 32718721237 Question Type : SUBJECTIVE Consider As**

**Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Define respiratory failure. Discuss the common non-invasive techniques for monitoring pulmonary function at bedside in an ICU. [2+8]

**Question Number : 6 Question Id : 32718721238 Question Type : SUBJECTIVE Consider As**

**Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Discuss the various factors which increase the risk of complications during the intra-hospital transfer of critically ill patients. [10]

**Question Number : 7 Question Id : 32718721239 Question Type : SUBJECTIVE Consider As**

**Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Enumerate the common causes of cardio-respiratory arrest in pregnant women. Discuss the major modifications during the pregnant patient CPR (cardiopulmonary resuscitation). [6+4]

**Question Number : 8 Question Id : 32718721240 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Discuss indications, principles and physiology of gas exchange during high-flow nasal oxygen therapy. [2+2+6]

**Question Number : 9 Question Id : 32718721241 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Describe the mechanism of action and methods of reversal of effect of:

- a) Unfractionated heparin. [3]
- b) Low-molecular-weight heparin. [3]
- c) Fondaparinux. [2]
- d) Argatroban. [2]

**Question Number : 10 Question Id : 32718721242 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Correct Marks : 10**

Discuss pathophysiology, clinical presentation and management of transfusion-related acute lung injury (TRALI). [3+3+4]