

# National Board of Examinations

## Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

<b>Question Paper Name :</b>	Diploma Anaesthesiology Paper1
<b>Subject Name :</b>	Diploma Anaesthesiology Paper1
<b>Creation Date :</b>	2024-06-15 20:32:38
<b>Duration :</b>	180
<b>Total Marks :</b>	100
<b>Display Marks:</b>	No
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No
<b>Change Font Color :</b>	No
<b>Change Background Color :</b>	No
<b>Change Theme :</b>	No
<b>Help Button :</b>	No
<b>Show Reports :</b>	No
<b>Show Progress Bar :</b>	No

## Diploma Anaesthesiology Paper1

<b>Group Number :</b>	1
<b>Group Id :</b>	3271872643
<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>Break time :</b>	0
<b>Group Marks :</b>	100

## Diploma Anaesthesiology Paper1

<b>Section Id :</b>	3271872646
<b>Section Number :</b>	1
<b>Section type :</b>	Offline
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	10

**Number of Questions to be attempted :** 10  
**Section Marks :** 100  
**Maximum Instruction Time :** 0  
**Sub-Section Number :** 1  
**Sub-Section Id :** 3271872650  
**Question Shuffling Allowed :** No

**Question Number : 1 Question Id : 32718732674 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) With the help of a neatly labelled diagram describe the oxygen dissociation curve and enumerate the factors effecting it. [3+2]  
b) Enumerate the differences between adult and pediatric airway with their clinical implications. [5]

**Question Number : 2 Question Id : 32718732675 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) With the help of a diagram, describe the distribution of ventilation (V) & perfusion (Q) in the normal lung. [5]  
b) What are the factors affecting V/Q ratio? [5]

**Question Number : 3 Question Id : 32718732676 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) The physiological changes in the cardiovascular system in pregnancy and its clinical relevance. [5]  
b) The placental transfer of anesthetic drugs and its implications. [5]

**Question Number : 4 Question Id : 32718732677 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Enumerate the methods to monitor the depth of anesthesia and write briefly about one of them. [2+3]

- b) Enumerate the risk factors for accidental awareness during general anesthesia (AAGA). [3]
- c) Briefly describe post traumatic stress disorder (PTSD). [2]

**Question Number : 5 Question Id : 32718732678 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Cardio pulmonary resuscitation (CPR):

- a) Enumerate 5 'H' and 5 'T' of cardiac arrest. [5]
- b) With the help of a flow chart, discuss the AHA advanced cardiac life support 'adult bradycardia algorithm'. [5]

**Question Number : 6 Question Id : 32718732679 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

Oxygen therapy:

- a) What are the indications of oxygen therapy? [3]
- b) Define variable performance oxygen delivery device and give examples. [4]
- c) Write briefly on HFNO. [3]

**Question Number : 7 Question Id : 32718732680 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Draw a neatly labelled diagram of a neuromuscular junction. [3]
- b) What is dual block? [3]
- c) Write short note on sugammadex. [4]

**Question Number : 8 Question Id : 32718732681 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) What is cerebral autoregulation? [5]
- b) Write briefly about the effect of various intravenous anesthetic agents on the cerebral autoregulation. [5]

**Question Number : 9 Question Id : 32718732682 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Write briefly about the 'Power of a study' and its significance. [3+2]
- b) Write briefly about 'Five steps to safer surgery' of the surgical safety checklist. [5]

**Question Number : 10 Question Id : 32718732683 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Discuss 'STOP-BANG score' and its utility in pre-anesthetic assessment. [3+2]
- b) Write briefly about nerve palsies/injuries that may occur under anesthesia due to different surgical positions. [5]