

# National Board of Examinations

<b>Question Paper Name :</b>	Diploma Anaesthesiology Paper1
<b>Subject Name :</b>	Diploma Anaesthesiology Paper1
<b>Creation Date :</b>	2024-12-16 09:27:04
<b>Duration :</b>	180
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<b>Display Marks:</b>	No
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## Diploma Anaesthesiology Paper1

<b>Group Number :</b>	1
<b>Group Id :</b>	3271873245
<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>	3271873248
<b>Section Number :</b>	1
<b>Section type :</b>	Offline
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	10
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271873252
<b>Question Shuffling Allowed :</b>	No

**Question Number : 1 Question Id : 32718734394 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) Draw a neatly labelled diagram of the brachial plexus. Enumerate the various approaches to the brachial plexus block. [3+3]  
b) Discuss Jackson Rees Circuit with a suitable diagram. [4]

**Question Number : 2 Question Id : 32718734395 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Define functional residual capacity (FRC). Enumerate the factors that affect FRC with their clinical implications. [2+4]  
b) What are the methods to optimize FRC before and under general anaesthesia? [4]

**Question Number : 3 Question Id : 32718734396 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Enumerate the causes and clinical features of hyponatremia. [3+2]  
b) Discuss the diagnosis and treatment of hyponatremia. [2+3]

**Question Number : 4 Question Id : 32718734397 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Define hypothermia. What are the different phases of heat loss under anaesthesia? [1+3]  
b) What are the clinical consequences of hypothermia? Enumerate methods for prevention of hypothermia in the operation theatre. [3+3]

**Question Number : 5 Question Id : 32718734398 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Compare and contrast between Case control and Cohort study. [5]  
b) What is randomization and its different types? What are the advantages of randomization? [3+2]

**Question Number : 6 Question Id : 32718734399 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) What are the components and principle of invasive blood pressure (IBP) monitoring? [4+2]  
b) Enumerate the advantages and disadvantages of IBP monitoring. [2+2]

**Question Number : 7 Question Id : 32718734400 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Define Minimal Alveolar Concentration (MAC) of inhaled anaesthetic agents. [2]
- b) Enumerate physiological and pharmacological factors affecting MAC. [4+4]

**Question Number : 8 Question Id : 32718734401 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Describe the anatomy of caudal epidural space with a suitable diagram. [5]
- b) What is Lee's Cardiac risk index and its clinical application? [4+1]

**Question Number : 9 Question Id : 32718734402 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Enumerate various surgical positions (with example) in the operation theatre. [4]
- b) What are the precautions and complications associated with prone positioning? [3+3]

**Question Number : 10 Question Id : 32718734403 Question Type : SUBJECTIVE Consider As Subjective : Yes**

**Correct Marks : 10**

- a) Describe the flow of cerebro-spinal fluid (CSF). [5]
- b) Enumerate the factors affecting the spread of local anaesthetic drugs in the CSF. [5]