

National Board of Examinations

Question Paper Name :	DrNB Neuro Anaesthesia Paper3
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Actual Answer Key :	No

DrNB Neuro Anaesthesia Paper3

Group Number :	1
Group Id :	3271871138
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DrNB Neuro Anaesthesia Paper3

Section Id :	3271871141
Section Number :	1

Section type :	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 :	3271871145
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718710432 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

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. Write the anesthetic management of a 4-year-old child undergoing gamma-knife radiosurgery under anesthesia. [10]

Question Number : 2 Question Id : 32718710433 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- Define trigeminal neuralgia (TN). [2]
- What are different treatment options available for TN patients? [5]
- What is the role of an anesthesiologist in a patient with TN? [3]

Question Number : 3 Question Id : 32718710434 Question Type : SUBJECTIVE Consider As

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

Describe the role of ultrasound in neuroanesthesia and neurocritical care practice. [10]

Question Number : 4 Question Id : 32718710435 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Compare and contrast the use of mannitol versus hypertonic saline in perioperative neurosciences practice. [10]

Question Number : 5 Question Id : 32718710436 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Classify cerebral oxygenation monitors. [3]

b) Describe the monitoring technique and potential complications of jugular venous oximetry. [4+3]

Question Number : 6 Question Id : 32718710437 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe the perioperative management approach for a polytrauma bleeding patient with left temporal contusion. [10]

Question Number : 7 Question Id : 32718710438 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

a) Discuss the radiocontrast agents used for different central nervous system (CNS) investigations. [4]

b) Contrast induced nephropathy with its preventive measures. [4+2]

Question Number : 8 Question Id : 32718710439 Question Type : SUBJECTIVE Consider As

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

a) Describe briefly about the mechanism of anesthetic neurotoxicity. [6]

b) Discuss the important clinical trials carried out in relation to anesthetic neurotoxicity. [4]

Question Number : 9 Question Id : 32718710440 Question Type : SUBJECTIVE Consider As

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

Robotic neurosurgery emphasizing the anaesthetic challenges. [10]

Question Number : 10 Question Id : 32718710441 Question Type : SUBJECTIVE Consider As

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

Radiation exposure and the safety measures in clinical neuroscience practice. [5+5]