

National Board of Examinations

Question Paper Name :	DrNB Neuro Anaesthesia Paper1
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Actual Answer Key :	No

DrNB Neuro Anaesthesia Paper1

Group Number :	1
Group Id :	3271871136
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 Paper1

Section Id :	3271871139
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 :	3271871143
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718710412 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. a) Describe the cerebrospinal fluid (CSF) pathway. [6]
- b) Enumerate the causes of obstruction to CSF pathways. [4]

Question Number : 2 Question Id : 32718710413 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe the pain pathway. Discuss about the postoperative pain management after neurosurgery. [4+6]

Question Number : 3 Question Id : 32718710414 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

- a) Define cerebral autoregulation. [3]
- b) Describe the effects of inhalational and intravenous anesthetic agents on cerebral autoregulation. [7]

Question Number : 4 Question Id : 32718710415 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Describe the cerebral venous system. [3]
- b) What is vein of Galen malformation (VOGM). [2]
- c) Write in short the anesthetic implications of VOGM. [5]

Question Number : 5 Question Id : 32718710416 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Define cerebral perfusion pressure (CPP). [3]
- b) Describe the determinants of CPP. [7]

Question Number : 6 Question Id : 32718710417 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Describe the anatomy, function and clinical implications of cranial nerves in relation to neuroanesthesia. [3+3+4]

Question Number : 7 Question Id : 32718710418 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Write briefly about Ketamine. [4]
- b) Describe the current role of ketamine in perioperative neuroscience practices. [6]

Question Number : 8 Question Id : 32718710419 Question Type : SUBJECTIVE Consider As

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

- a) What are the common indications and modes of mechanical ventilation after neurosurgical procedures? [3+3]
- b) Briefly mention about role of prone ventilation for ARDS in a patient with traumatic brain injury. [4]

Question Number : 9 Question Id : 32718710420 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Describe mechanism of injury after cerebral ischemia. [4]
- b) Briefly mention the modalities of cerebral protection. [6]

Question Number : 10 Question Id : 32718710421 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Operating room (OR) to neuro-ICU handoffs [7]
- b) Write the potential complications of improper handoffs. [3]