

National Board of Examinations

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| Question Paper Name : | DrNB Neuro Anaesthesia Paper1 |
| Subject Name : | DrNB Neuro Anaesthesia Paper1 |
| Creation Date : | 2023-10-15 14:11:37 |
| Duration : | 180 |
| Share Answer Key With Delivery Engine : | No |
| Actual Answer Key : | No |

DrNB Neuro Anaesthesia Paper1

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| Group Number : | 1 |
| Group Id : | 327187807 |
| Group Maximum Duration : | 0 |
| Group Minimum Duration : | 180 |
| Show Attended Group? : | No |
| Edit Attended Group? : | No |
| Group Marks : | 100 |
| Is this Group for Examiner? : | No |
| Examiner permission : | Cant View |
| Show Progress Bar? : | No |

DrNB Neuro Anaesthesia Paper1

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| Section Id : | 327187810 |
| Section Number : | 1 |
| Section type : | Offline |

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|---|-----------|
| 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 : | 327187814 |
| Question Shuffling Allowed : | No |
| Is Section Default? : | null |

Question Number : 1 Question Id : 32718721083 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. a) Components of the updated (2020) Glasgow Coma Scale. [6]
- b) Limitations of the updated (2020) Glasgow Coma Scale. [2]
- c) Advantages of the updated (2020) Glasgow Coma Scale. [2]

Question Number : 2 Question Id : 32718721084 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) Cortical spreading depolarization. [5]
- b) Pathophysiology of delayed cerebral ischemia. [5]

Question Number : 3 Question Id : 32718721085 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) Labelled diagram showing anatomy of Circle of Willis. [5]
- b) Labelled diagram showing various functional areas of cortex. [5]

Question Number : 4 Question Id : 32718721086 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Effect of the following drugs on cerebral blood flow, cerebral metabolism, and intracranial pressure:

- a) Propofol. [2]
- b) Nitrous oxide. [2]
- c) Ketamine. [2]
- d) Sevoflurane. [2]
- e) Dexmedetomidine. [2]

Question Number : 5 Question Id : 32718721087 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) Effects of Carbon dioxide (CO₂) on the cerebral vasomotor reactivity (CVR). [4]
- b) Role of Transcranial doppler ultrasound for measurement of CVR. [4]
- c) Current role of hyperventilation in patients with raised intracranial pressure. [2]

Question Number : 6 Question Id : 32718721088 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) Cerebrospinal fluid (CSF) synthesis. [3]
- b) CSF composition. [2]
- c) Functions of CSF. [2]
- d) Radiological features of raised intracranial pressure. [3]

Question Number : 7 Question Id : 32718721089 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) Role of continuous EEG monitoring in the neurointensive care unit. [5]
- b) Non invasive intracranial pressure monitoring techniques in the neurointensive care unit. [5]

Question Number : 8 Question Id : 32718721090 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) Various surgical positions used in posterior fossa surgery. [2]
- b) Physiological changes in prone position surgeries. [3]
- c) Complications associated with prone position surgeries. [5]

Question Number : 9 Question Id : 32718721091 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Hospital information system: Its components and utility in NeuroAnaesthesia and Neuro Critical Care. [4+6]

Question Number : 10 Question Id : 32718721092 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) Types of cerebral edema. [6]

b) Role of corticosteroids in cerebral edema. [4]