

National Board of Examinations

Question Paper Name :	DrNB Neuro Anaesthesia Paper2
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DrNB Neuro Anaesthesia Paper2

Group Number :	1
Group Id :	327187808
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 Paper2

Section Id :	327187811
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 :	327187815
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 3271877162 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) Pre-operative assessment of a patient scheduled for carotid artery stenting. [5]
- b) Enumerate the intra-operative neuro-monitoring modalities for assessment of neurological function during carotid artery stenting. [3]
- c) Enumerate the postoperative complications of this procedure. [2]

Question Number : 2 Question Id : 3271877163 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Enumerate the perioperative complications during:

- a) Awake Craniotomy. [5]
- b) Deep Brain Stimulation Surgery. [5]

Question Number : 3 Question Id : 3271877164 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) Pre-operative assessment of a 14 year child scheduled for craniotomy and resection of a craniopharyngioma. [5]
- b) Diagnosis and management of peri-operative diabetes insipidus. [5]

Question Number : 4 Question Id : 3271877165 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 grading systems for aneurysmal subarachnoid haemorrhage. [5]
- b) Cardiac effects of subarachnoid haemorrhage. [5]

Question Number : 5 Question Id : 3271877166 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 50-year-old man with a history of coronary artery disease with Percutaneous Coronary stent implantation (drug eluting stent - 5 months duration), on dual antiplatelet therapy is scheduled for glioblastoma resection:

- a) Describe the anaesthetic concerns for the proposed surgery. [4]
- b) Discuss the perioperative evaluation and optimization of this patient. [6]

Question Number : 6 Question Id : 3271877167 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Canadian and NEXUS cervical spine rules for ruling out injury to cervical spine. [5+5]

Question Number : 7 Question Id : 3271877168 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

As per the Fourth Brain Trauma Foundation guidelines for management of severe traumatic brain injury, what are updated recommendations for:

- a) Intracranial Pressure monitoring. [4]
- b) Cerebral Perfusion Pressure monitoring. [3]
- c) Advanced cerebral monitoring. [3]

Question Number : 8 Question Id : 3271877169 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Principles of preoperative assessment and intraoperative management of an infant posted for endoscopic third ventriculostomy. [4+6]

Question Number : 9 Question Id : 3271877170 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) Automated infrared pupillometry. [5]
- b) Cerebrovascular pressure reactivity. [5]

Question Number : 10 Question Id : 3271877171 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

The initial dose, maintenance dose and side effects of:

- a) Levetiracetam. [2]
- b) Valproic acid. [2]
- c) Fosphenytoin. [2]
- d) Phenytoin. [2]
- e) Carbamazapine. [2]