

National Board of Examinations

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

DrNB Neuro Anaesthesia Paper3

Group Number :	1
Group Id :	3271871443
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 Paper3

Section Id :	3271871446
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 : 3271871450

Question Shuffling Allowed : No

Is Section Default? : null

Question Number : 1 Question Id : 32718713512 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. Describe the role of artificial intelligence in neuroanaesthesia and neurocritical practice. [10]

Question Number : 2 Question Id : 32718713513 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) Write a brief note on cardio-cerebral coupling. [5]
- b) Describe the implications of the cardio-cerebral coupling for neuroanaesthesiologist. [5]

Question Number : 3 Question Id : 32718713514 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) Discuss the markers of brain metabolism as measured by cerebral microdialysis. [4]

b) Write briefly about the role of cerebral microdialysis in patients with aneurysmal subarachnoid hemorrhage and traumatic brain injury. [3+3]

Question Number : 4 Question Id : 32718713515 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Describe the role of transcranial doppler (TCD) on stroke management. [10]

Question Number : 5 Question Id : 32718713516 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Write a brief note on functional imaging techniques for brain and spinal cord. [10]

Question Number : 6 Question Id : 32718713517 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Describe the anaesthetic management of an 8 year old child with Moyamoya disease undergoing revascularization surgery. [10]

Question Number : 7 Question Id : 32718713518 Question Type : SUBJECTIVE Consider As

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

Correct Marks : 10

Write the anesthetic management of a case of acromegaly with dilated cardiomyopathy

undergoing trans-sphenoidal excision of pituitary adenoma. [10]

Question Number : 8 Question Id : 32718713519 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) Define neuroprotection. [2]
- b) Describe different modalities of neuroprotection and their current status. [4+4]

Question Number : 9 Question Id : 32718713520 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) Describe about neurogenic pulmonary edema, its etiology, and risk factors. [4]
- b) How it is different from cardiogenic pulmonary edema in diagnosis, management and prognosis? [6]

Question Number : 10 Question Id : 32718713521 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) What is paroxysmal sympathetic hyperactivity? [2]
- b) Describe the diagnosis and management of this condition. [3+5]