

National Board of Examinations

Question Paper Name :	DrNB Neuro Surgery Paper3
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DrNB Neuro Surgery Paper3

Group Number :	1
Group Id :	3271871135
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 Surgery Paper3

Section Id :	3271871138
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 :	3271871142
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718710402 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. Neurocysticercosis:

- Etiopathogenesis. [3]
- Diagnostic evaluation. [3]
- Management. [4]

Question Number : 2 Question Id : 32718710403 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Lesioning in movement disorders:

- Principle. [4]
- Indications. [3]

c) Limitations. [3]

Question Number : 3 Question Id : 32718710404 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Ancillary tests in brain death diagnosis. [4]
- b) MRS in Neuro-oncology. [3]
- c) Imaging techniques in dominant lobar tumors. [3]

Question Number : 4 Question Id : 32718710405 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) ICP monitoring in traumatic brain injuries. [3]
- b) NIRS (Near infrared spectroscopy) in Neurosurgery. [3]
- c) Brain tissue oxygen monitoring and interpretations. [4]

Question Number : 5 Question Id : 32718710406 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Birth plexus injuries:

- a) Classifications. [2]
- b) Decision making and timing of surgery. [5]
- c) Treatment options. [3]

Question Number : 6 Question Id : 32718710407 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Osteoporotic D8 vertebral body fracture:

- a) Discuss diagnostic workup. [4]
- b) Discuss medical management. [3]
- c) Discuss surgical options. [3]

Question Number : 7 Question Id : 32718710408 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Endoscopic strategies in management of complex hydrocephalus. [4]
- b) Endoscopic management of CSF rhinorrhea. [3]
- c) The exoscope in Neurosurgery. [3]

Question Number : 8 Question Id : 32718710409 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Spinal cord stimulator. [3]
- b) Antibiotic impregnated ventriculoperitoneal shunts. [3]
- c) Vertebroplasty. [2]
- d) Kyphoplasty. [2]

Question Number : 9 Question Id : 32718710410 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) SRS in Neurosurgery. [3]
- b) Gamma knife in AVMs. [3]
- c) Proton therapy: Principles and indications. [4]

Question Number : 10 Question Id : 32718710411 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

- a) Hirayama Disease: Diagnosis and management. [6]
- b) Donation after cardiac death. [4]