

# National Board of Examinations

**Question Paper Name :** DrNB Neuro Surgery Direct 6 Years Course Part 2 Final Paper3  
**Subject Name :** DrNB Neuro Surgery Direct 6 Years Course Part 2 Final Paper3  
**Duration :** 180  
**Total Marks :** 100  
**Display Marks:** No

**Maximum Instruction Time :** 0

**Question Number : 1 Question Id : 32718741816 Consider As Subjective : Yes**

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. Discuss anatomical basis, grading system and treatment options for a patient suffering from spasticity. [4+2+4]

**Question Number : 2 Question Id : 32718741817 Consider As Subjective : Yes**

A 48-year-old female has presented to the clinic with low backache, radiating pain in both lower limbs and symptoms suggestive of claudication for last 1.5 years. Elaborate upon your plan with regard to differential diagnosis and management of such a case with possible lumbar canal stenosis. Also, discuss with respect to surgical treatment options available. [5+5]

**Question Number : 3 Question Id : 32718741818 Consider As Subjective : Yes**

Discuss the role, importance and limitations of intra-operative neuromonitoring. [4+3+3]

**Question Number : 4 Question Id : 32718741819 Consider As Subjective : Yes**

Artificial intelligence and machine learning, and their possible applications in neurosurgery. [10]

**Question Number : 5 Question Id : 32718741820 Consider As Subjective : Yes**

Elaborate the various neurovascular conditions where DSA is applicable. Mention the clinical features of dissection and its management. [5+5]

**Question Number : 6 Question Id : 32718741821 Consider As Subjective : Yes**

a) Optic nerve decompression. [5]

b) Growing skull fracture. [5]

**Question Number : 7 Question Id : 32718741822 Consider As Subjective : Yes**

Drug resistant epilepsy (DRE): Definition, evaluation and treatment options. [2+4+4]

**Question Number : 8 Question Id : 32718741823 Consider As Subjective : Yes**

Moya moya disease: clinical presentation, pathophysiology, diagnostic work up and treatment options. [3+2+2+3]

**Question Number : 9 Question Id : 32718741824 Consider As Subjective : Yes**

Approaches to lesions at the petrous apex. [10]

**Question Number : 10 Question Id : 32718741825 Consider As Subjective : Yes**

Encephalocele. [10]