

NEUROSURGERY

PAPER - II

NS 2/D/13/21/II

Time : 3 hours
Max. Marks : 100

Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) What is failed back syndrome? 2+(4+4)
b) Discuss its etiology and management.
2. a) Define trigeminal neuralgias. 2+8
b) Discuss various modalities of its treatment.
3. a) Classify dural arteriovenous malformations. 4+6
b) Discuss its treatment.
4. a) Describe role of diffusion weighted images in diagnosis of brain lesions. 5+5
b) Basis of MR spectroscopy.
5. a) Role of intraoperative optical imaging. 5+5
b) Role of intraoperative ultrasound.
6. a) Anatomical and pathological classification of posterior fossa haematomas. (3+2)+(2+3)
b) Clinical and investigative criteria for surgical intervention in spontaneous cerebellar haematoma.
7. a) Classify epilepsy. 5+5
b) Discuss the safe anticonvulsants recommended for use in pregnancy.
8. a) Anatomical substrate and types of foot drop. 4+3+3
b) Causes of foot drop.
c) Enumerate various surgical treatment options.
9. a) What are the controversies in indications and timings of decompressive craniectomies? 5+5
b) Methods and materials for cranioplasty.
10. a) Diagnosis of deep seated low grade gliomas of the brain. 5+5
b) Treatment of these gliomas.
