

NEUROSURGERY

PAPER - III

NS 2/D/13/21/III

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) Discuss the management of intracranial aneurysm with wide neck. 5+(2+3)
b) What is mycotic aneurysm? Discuss its various treatment options.
2. a) What is vertebroplasty? 2+(3+3+2)
b) Describe its indications, technique and complications.
3. a) Principles of radiosurgery. 3+7
b) Discuss the role of radiosurgery in arterio-venous malformations of brain.
4. a) Role of deep brain stimulation in movement disorders. 6+4
b) Indications for stereotactic cingulotomy.
5. a) Principles of Positron Emission Tomography (PET). 4+6
b) Indications and usefulness of PET.
6. a) Approach to diagnose cause of amenorrhea with galactorrhea in a young female. 5+5
b) Discuss various medical and surgical treatment options for such cases.
7. a) A 30 year old man presents with impaired hearing, instability of gait and headache. How will you manage such a patient? 5+5
b) Enumerate indications of various surgical approaches to CP angle.
8. a) What is Vein of Galen Aneurysm? 3+3+4
b) What are the misnomers in neurosurgical practice?
c) Suggest correct names for these misnomers.
9. A patient presents to you with painless, progressive unilateral proptosis. 6+4
a) How will you manage such a case?
b) Enumerate causes of ptosis.
10. a) Discuss various options for treatment of colloid cyst. 6+4
b) Role of p53 in tumours.