

NEUROSURGERY (PART-II/FINAL)

PAPER – II

NS/J/16/21/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. ICA aneurysm under following heads: 4+3+3
 - a) Classification.
 - b) Presentations.
 - c) Surgical approach to each location.
2. Various trials associated with aneurysm and its impact in management of aneurysm. 10
3.
 - a) Various types of aneurysm clips. 4+3+3
 - b) Methods of clip applications to occlude aneurysm's neck.
 - c) Complications of clips hardware.
4. A 10 years old child presents with seizure and right hemiparesis. NCCT head is suggestive of hypodensity in left frontal lobe. 5+5
 - a) What are the clinical possibilities?
 - b) How would you investigate?
5. A 60 years old male presented with acute onset left upper limb monoparesis. He had increased reflexes in bilateral all limbs: 5+5
 - a) What are the clinical possibilities?
 - b) How would you investigate?
6. Factors affecting embryogenesis of neural tube defects, preventive methods and screening tools for picking up neural tube defects. 4+3+3
7. Horner's Syndrome: Clinical findings, site of lesions and approach to its diagnosis. 4+4+2
8. Sciatic nerve injury: Sites of injuries, clinical profile at various level and treatment options. 3+3+4
9. How would you approach a case of vertebral body hemangioma at D6 level in male and female? 10
10. Various forms of AVM that affects spinal cord, their clinical presentations and management strategies. 4+4+2
