

NEUROSURGERY**PAPER-II**Time: 3 hours
Max. Marks:100

NS 2/J/19/21/II

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. Differential diagnosis, imaging features and management of a single ring enhancing lesion in brain. 2+4+4
2. Development of the central nervous system: 5+5
 - a) Development of the Notochord.
 - b) Neural crest and its differentiation.
3. Diffuse idiopathic skeletal hyperostosis (DISH): 2+2+2+4
 - a) Causes.
 - b) Differential diagnosis.
 - c) X-ray findings.
 - d) Management.
4. Rheumatoid arthritis lesions involving: 6+4
 - a) Brain and CV junction.
 - b) Treatment options.
5. Craniostenosis: 3+3+4
 - a) Pathogenesis.
 - b) Classification.
 - c) Surgical procedures.
6. Normal pressure hydrocephalus: 3+3+4
 - a) Aetiology.
 - b) Diagnostic criteria.
 - c) Surgical management.
7. Osteoid osteoma of spine: 3+3+4
 - a) Symptoms.
 - b) Radiological diagnosis.
 - c) Management options.

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8. Peripheral nerve injuries: 3+3+4
a) Classification.
b) Pathogenesis.
c) Principles of surgical nerve repair.
9. Subarachnoid hemorrhage: 3+4+3
a) Causes.
b) Grading of clinical status.
c) Perimesencephalic SAH.
10. Intracranial aneurysms of infective origin: 3+3+4
a) Etiopathogenesis.
b) Radiological features.
c) Management.

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