

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: | |
| | a) Classification. | 3+3+4 |
| | 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. | |
