

NEUROSURGERY (DIRECT 6 YEARS COURSE) PART-I
PAPER-IITime: 3 hours
Max. Marks:100

NS1/J/20/22/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. Anatomy of jugular foramen and discuss about various jugular foramen syndrome. 5+5
2. Cavernous sinus anatomy and discuss about various triangles and surgical importance. 4+4+2
3. Brachial plexus: 5+3+2
 - a) Anatomy.
 - b) Erb's palsy.
 - c) Management of C5-C6 root injury.
4.
 - a) Discuss pathogenesis of ossification of posterior longitudinal ligament.
 - b) Surgical approaches to OPLL and factors affecting surgical results. 5+5
5. High grade glioma: 4+3+3
 - a) Treatment options.
 - b) Prognostic factors.
 - c) Prognosis.
6.
 - a) Spetzler's classification of AVM.
 - b) It's surgical significance and.
 - c) Discuss about Normal perfusion pressure breakthrough in AVM. 4+3+3
7. Fluorescence guided Neurosurgery: 3+3+2+2
 - a) Principle.
 - b) Types.
 - c) Uses.
 - d) Advantages and disadvantages.
8. Horner's syndrome: 4+3+3
 - a) Pathophysiology.
 - b) Types.
 - c) Management.

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PAPER-II

9. Velum interpositum: 4+3+3
a) Microsurgical anatomy.
b) Endoscopic anatomy.
c) Surgical approaches.
10. a) Idiopathic intracranial hypertension. 3+2+2+3
b) Brun's nystagmus.
c) Trigemino-cardiac reflex.
d) Harvey Cushing.

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