

NEURO SURGERY (DIRECT 6 YEAR COURSE) PART-I

PAPER – II

NS1/D/18/22/I

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. Microsurgical anatomy of tentorial hiatus and its surgical significance. 10
2. a) Medial longitudinal fasciculus. 4+3+3
b) Genu of corpus callosum.
c) Papez circuit.
3. a) Blood supply of brain stem. 5+5
b) Circle of Willis.
4. Draw a labeled diagram of longitudinal section through hypothalamus and hypophysis. 10
5. a) Lacosamide. 5+5
b) Cerebro-proteins.
6. Embryological basis of: 5+5
a) Split cord malformation.
b) Arnold-Chiari malformation.
7. Describe neurological control of normal micturition and give an account of various bladder dysfunction in CNS lesions. 5+5
8. a) Tumour- host interaction. 5+5
b) WHO classification of medulloblastoma.
9. a) Parietal lobe signs. 5+5
b) Intracranial part of Facial nerve.
10. a) Functional imaging of brain. 4+3+3
b) Cerebral autoregulation.
c) Spasticity.
