

NEURO SURGERY (DIRECT 6 YEARS COURSE) PART-I**PAPER-II**

Time: 3 hours
Max. Marks: 100

NS 1/D/19/22/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:

- a) Mechanism of diffuse axonal injury. 5+5
b) Cellular events in primary traumatic brain injury.
- a) CSF pathway from production to absorption. 5+5
b) Investigations and management principles for idiopathic intracranial hypertension.
- a) Mechanism of action of anti-epileptic drugs with examples. 5+5
b) Adverse effects/side effect profile of phenytoin.
- a) Monro-Kellie doctrine. 5+5
b) Cerebral oedema.
- a) Foramen of Monro. 5+5
b) Applications of Neuroendoscopy.
- Describe the classical locations for burr holes and their applications in specific situations. 10
- a) Pain pathway. 5+5
b) Neuropathic pain management.
- a) Causes for irreversible coma. 5+5
b) Tests for confirmation of brain death.
- a) Common cerebello-pontine angle lesions. 5+5
b) Histopathology of Schwannoma.
- a) Occult spinal dysraphism. 5+5
b) Arachnoid cyst.
