

NEUROSURGERY

PAPER - I

NS 2/D/13/21/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:

- a) Define craniovertebral junction. 2+(4+4)
 - b) Discuss its embryogenesis and applied aspect.
- a) Classify hydrocephalus. 4+6
 - b) Discuss its pathogenesis.
- a) Define spasticity. 2+8
 - b) Discuss its pathogenesis with diagram.
- a) Classification of brain abscesses. 2+3+5
 - b) Risk factors of brain abscess.
 - c) Draw microscopic pictures of various brain abscesses.
- a) Draw a flowchart of pathogenesis of vasospasm. 4+6
 - b) Diagnosis of vasospasm.
- a) Draw a diagram of carpal tunnel. 4+6
 - b) Diagnosis of carpal tunnel syndrome.
- a) Definition of brain death. 2+4+4
 - b) Clinical criteria of brain death.
 - c) Confirmation of brain death.
- a) Draw a labelled diagram of optic pathways. 4+6
 - b) Discuss the differential diagnosis of homonymous hemianopia.
- a) What is monoclonal antibody? 4+6
 - b) Discuss its role in diagnosis and management of brain tumours.
- a) Pathogenesis of Ossified Posterior Longitudinal Ligament (OPLL). 5+2+3
 - b) Classification of OPLL.
 - c) Demography of OPLL.
