NEUROSURGERY
PAPER - 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. a) Define craniovertebral junction. b) Discuss its embryogenesis and applied aspect. 2+(4+4)

2. a) Classify hydrocephalus. b) Discuss its pathogenesis. 4+6

3. a) Define spasticity. b) Discuss its pathogenesis with diagram. 2+8

4. a) Classification of brain abscesses. b) Risk factors of brain abscess. c) Draw microscopic pictures of various brain abscesses. 2+3+5

5. a) Draw a flowchart of pathogenesis of vasospasm. b) Diagnosis of vasospasm. 4+6

6. a) Draw a diagram of carpal tunnel. b) Diagnosis of carpal tunnel syndrome. 4+6

7. a) Definition of brain death. b) Clinical criteria of brain death. c) Confirmation of brain death. 2+4+4

8. a) Draw a labelled diagram of optic pathways. b) Discuss the differential diagnosis of homonymous hemianopia. 4+6

9. a) What is monoclonal antibody? b) Discuss its role in diagnosis and management of brain tumours. 4+6

10. a) Pathogenesis of Ossified Posterior Longitudinal Ligament (OPLL). b) Classification of OPLL. c) Demography of OPLL. 5+2+3