NEUROSURGERY (PART-II/FINAL)
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. CSF flow in brain and spinal cord with:
   a) Suitable diagram
   b) Physiology of its production and absorption.
   c) Methods to decrease CSF production.

2. Illustrate venous drainage of brain under the following heads with suitable diagram:
   a) Superficial venous drainage system.
   b) Deep venous drainage system.
   c) Effect of blockage of cortical drainage system.

3. a) What is ICP and how is it regulated?
   b) Various factors affecting the ICP.

4. a) Control of urinary bladder function.
   b) Impact of sectioning on bladder function at various levels.

5. Glasgow Coma Score (GCS) under following heads:
   a) GCS
   b) Its limitations
   c) Advantages over other scores.

6. Pituitary adenoma: Classification, clinical presentation and various staining techniques of tissues for its diagnosis

7. Various types of spinal cord injuries under following head:
   a) Etiology.
   b) Prognostic factors.
   c) Non-surgical treatment options.

8. What is randomization, methods of randomization and its disadvantages in a research methodology?

9. Physiology of vision under the following heads:
   a) Optic pathway.
   b) Vascular supply at various levels
   c) Impact of lesion at various levels.

10. Function of frontal lobes covering various regions with a suitable diagram.

***************

POSESSION / USE OF CELL PHONES OR ANY SUCH ELECTRONIC GADGETS IS NOT PERMITTED INSIDE THE EXAMINATION HALL.