

QP Code: 101505

Reg. No.:.....

**M.Ch. (Neuro Surgery) Degree Supplementary Examinations June 2024**

**Paper I – Basic Sciences**

**Time: 3 hrs**

**Max marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:**

**(20)**

1. What is blood brain barrier. Describe the structure of BBB with the help of a diagram.

What are its functions. What are different types of cerebral edema. Mention about

pharmacotherapy of each type.

(3+5+5+3+4)

**Short essays:**

**(8x10=80)**

2. 3% sodium chloride: mechanism of action, uses and dosage

3. Describe Horner's syndrome with the help of a diagram

4. Brain stem evoked potentials

5. Circle of Willis

6. Nystagmus, types and grading

7. Cerebral sinus thrombosis

8. Describe the anatomy of trigeminal nerve and its nuclei with the help of a diagram

9. WADA test

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