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. Newer antiepileptic drugs and their side effects.  
   5+5

2. Pathogenesis of:
   a) Chronic subdural hematoma.  
   b) Growing skull fracture.  
   5+5

3. a) What are various brain herniations?  
   b) What are the early clinical features of various brain herniations?  
   4+6

4. a) Physiological actions of superior and inferior obliques muscles of eye.  
   b) Applied importance of greater superficial petrosal nerve.  
   6+4

5. a) Cauda equina syndrome.  
   b) Brown-Sequard syndrome.  
   c) Central cord syndrome.  
   4+3+3

6. a) What is the meaning of data, information and knowledge?  
   b) What are the steps to perform a scientific study?  
   5+5

7. Anatomy of ophthalmic artery, its branches and applied importance.  
   3+3+4

8. Merits and demerits of various surgical approaches to the pineal region tumors.  
   10

9. a) Intracranial pressure monitoring.  
   b) Spinal shock.  
   6+4

10. Draw a neat labeled diagram of transverse section of midbrain at superior colliculus level.  
    10

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