



**ANATOMY**  
**PAPER – II**

ANT/D/14/02/II

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. Structure and function of corpus striatum & its applied anatomy. (4+4)+2
2. Describe the formation, branches and applied aspects of circle of Willis. 3+3+4
3. Special visceral efferent column of brain stem. 10
4. Connections and functions of cerebellum. 5+5
5. Trace the pathway of pain from little finger and its representation in cerebral cortex. 6+4
6. Enumerate components of the limbic system. Describe its connections and clinical importance. 3+(5+2)
7. Draw transverse section of midbrain at the level of superior colliculus. Add a note on visual reflexes. 5+5
8. Describe endochondral ossification. What factors affect this process? Add a note on age estimation of bones both radiologically and from postmortem remains. 4+3+3
9. Describe the various types of neuroglia along with their structural differences and functions. 3+7
10. Write the various types of cells of connective tissue. Give in the form of a flow chart the synthesis of a collagen in fibroblast. 4+6

\*\*\*\*\*