

**ANATOMY****PAPER-II**Time: 3 hours  
Max. Marks:100

ANT/D/19/02/II

**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. Describe speech areas of the brain. Add a note on the lesions of these areas. 5+5
2. Describe the Corpus Striatum under following headings: 2+5+3
  - a) Components.
  - b) Important connections.
  - c) Applied aspects.
3. Describe the Cerebellum under following headings: 5+5
  - a) Intrinsic cerebellar circuitry.
  - b) Neocerebellar Syndrome.
4. Describe the Visual pathway in detail. Add a note on its lesions and clinical aspects. 6+4
5. Describe the Limbic System under following headings: 4+4+2
  - a) Constituent parts.
  - b) Functions and important connections.
  - c) Clinical aspects.
6. a) Embryological basis of lateral medullary syndrome. 5+5  
b) Preimplantation genetic diagnosis.
7. Compare and contrast Amniocentesis with Chorionic Villous sampling. 10
8. Describe the Internal capsule under following headings: 2+3+3+2
  - a) Parts.
  - b) Fibers and tracts passing through its different parts.
  - c) Blood supply.
  - d) Clinical anatomy.
9. a) Genomic imprinting. 5+5  
b) Laterality sequences.
10. Describe structural chromosomal aberrations. Add a note on translocation with examples. 5+5

\*\*\*\*\*