

ANATOMY

PAPER-II

ANT/D/18/02/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. Describe the hippocampus under the following headings: 5+5
 - a) Connections.
 - b) Functions.
2. Describe the reticular formation under the following headings: 5+5
 - a) Nucleus.
 - b) Connections.
3. Describe the thalamus under following headings: 5+5
 - a) Nucleus.
 - b) Connections.
4. 5+5
 - a) Cerebellar glomerulus.
 - b) Anterior choroidal artery.
5. 5+5
 - a) Hox gene.
 - b) Restriction fragment length polymorphism.
6. 5+5
 - a) Sex linked inheritance.
 - b) Classification of chromosomes.
7. 5+5
 - a) Frontal eye fields.
 - b) Circumventricular organs.
8. 5+5
 - a) Connections of red nucleus.
 - b) Medial longitudinal fasciculus.
9. 5+5
 - a) Fluorescent-in-situ-hybridization.
 - b) Lateral lemniscus.
10. Describe the Oculomotor nerve under following headings: 2+4+4
 - a) Origin.
 - b) Course.
 - c) Branches.
