

ANATOMY

PAPER-I

ANT/D/18/02/I

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 liver under following headings: 5+5
 - a) Microanatomy.
 - b) Development.
2. c) Primitive streak. 5+5
d) Neural crest cells.
3. Describe the rotation of gut. Add a note on malrotation. 7+3
4. a) Chorionic villus sampling. 5+5
b) Pluripotent stem cells.
5. Describe the development of face. Add a note on its anomalies. 7+3
6. Describe the thymus under the following headings: 5+5
 - a) Microstructure.
 - b) Development.
7. a) APUD cells. 5+5
b) Rathke's pouch.
8. a) Microanatomy of adenohypophysis. 5+5
b) Amniocentesis.
9. a) Embryological basis of Tetralogy of Fallot. 5+5
b) Microstructure of pancreas.
- 10 a) Development of right subclavian artery. 5+5
b) Meissner's plexus.
