

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.
