

ANATOMY

PAPER-I

Time: 3 hours
Max. Marks:100

ANT/D/20/02/I

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. Development and microanatomy of prostate gland. 5+5
2. a) Microanatomy of serous salivary gland. 5+5
b) Microanatomy of cardiac muscle.
3. Development of thoraco-abdominal diaphragm. Add a note on its congenital anomalies. 7+3
4. Describe in detail the microscopic anatomy of fallopian tube. Add a note on its development. 5+5
5. a) Explain the process of formation of notochord. Describe its functions and fate. 5+5
b) Describe the formation, functions and fate of chorion.
6. a) Urethral plate. 5+5
b) Paramesonephric duct.
7. Molecular and embryologic basis of inter-atrial septum. Draw a neatly labeled diagram of microscopic anatomy of myocardium. 3+4+3
8. Describe in detail the microscopic anatomy of compact bone. Add a note on endochondral ossification. 5+5
9. Microanatomical features of the retina. 10
10. Describe the embryological basis of: 5+5
a) Oblique facial cleft.
b) Coloboma iris.
