CARDIOTHORACIC SURGERY

PAPER - III

CTS/J/17/04/III

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. Pulmonary sequestration under following headings: 2+4+2+2

- a) Definition and types.
- b) Clinical features.
- c) Treatment plan.
- d) Pitfalls in surgery.

2. Aneurysm of ascending aorta under following headings: 2+2+3+3

- a) Etiology.
- b) Classification.
- c) Role of surgery (indications).
- d) Role of endovascular procedures.

3. Pectus excavatum under following headings: 1+3+2+4

- a) Definition.
- b) Clinical presentation.
- c) Indications for surgery.
- d) Methods of surgical treatment.

4. Massive hemoptysis: 2+2+(4+2)

- a) Causes.
- b) Investigations.
- c) Treatment modalities & their results.

5. Robotic cardiac surgery: 2+3+2+3

- a) Advantages.
- b) Types of cardiac surgical procedures being performed.
- c) Disadvantages.
- d) Role in mitral valve surgery.

P.T.O.

b) Odds Ratio.

CARDIO THORACIC SURGERY

PAPER - III

6. Gene therapy in cardiovascular diseases: 2+3+3+2 a) Concept. b) Types of genes used. c) Modes of gene transfer. d) Results. 7. Extracorporeal membrane oxygenation under following 2+2+2+2+2 headings: a) Indications. b) Types. c) Complications. d) Results. e) Type of oxygenator used. 8. Thoracic outlet syndrome under following headings: 2+2+4+2 a) Definition and clinical presentation. b) Diagnosis. c) Treatment and indications for surgery. d) Results. 9. Results and implications in management of coronary artery 4+4+2 disease of the following trials: a) CORONARY trial. b) ART trial. c) SYNTAX trial. 10 a) Confidential interval. 5+5
