

CARDIO THORACIC SURGERY (DIRECT 6 YEAR COURSE) PART-I

PAPER-II

CTS1/D/18/49/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. a) Embryology of the aortic arch. 3+4+3
b) Enumerate various vascular slings.
c) Clinical presentation of pulmonary artery sling.
2. a) Development of the interatrial septum. 4+4+2
b) Types of atrial septal defects.
c) Management of left superior vena cava on Cardiopulmonary bypass
3. Extracorporeal Membrane Oxygenation: 3+4+3
a) Basic Principles.
b) Indications of VA and VV ECMO.
c) Complications.
4. a) Anatomy of Mitral valve apparatus. 4+3+3
b) Pathophysiology of Mitral stenosis.
c) Indications and contraindications of Balloon Mitral Valvotomy.
5. Tetralogy of Fallot: 2+4+4
a) Anatomical features of Tetralogy of Fallot.
b) Pathophysiology associated with cyanotic spells and management.
c) Major aorto-pulmonary collaterals.
6. Thoracic Outlet Syndrome: 5+5
a) Etio-pathogenesis of Thoracic Outlet Syndrome.
b) Assessment and grading.
7. Bioprosthetic valves: 3+4+3
a) Newer generation Valves, how do they differ from the earlier generation valves.
b) Advantages over the mechanical valves.
c) Contraindications for using Bioprosthetic valve.

P.T.O.

CARDIO THORACIC SURGERY (DIRECT 6 YEAR COURSE) PART-I

PAPER-II

- | | |
|--|-------|
| 8. Lung Carcinomas: | 5+5 |
| a) Clinical presentation. | |
| b) Staging of lung carcinomas. | |
| 9. a) Atrial fibrillation: Etiopathogenesis. | 3+4+3 |
| b) Management of Atrial Fibrillation. | |
| c) Principles of Radiofrequency ablation. | |
| 10. Chylothorax | 5+5 |
| a) Etiopathogenesis. | |
| b) Management of Chylothorax. | |
