

CARDIOTHORACIC SURGERY

PAPER – III

CTH/D/15/4/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. Aortic Dissection: a) Classification. b) Aetiology. c) Which single imaging technique would you choose & why? d) Valve conservation surgery for acute Type-I dissection.	2 2 2 4
2. Lung Volume Reduction Surgery: a) Indications. b) Patho- physiological basis. c) Contraindications. d) Surgical approaches.	2 3 2 3
3. a) Issues with percutaneous, aortic valve replacement. b) Recent advances in percutaneous mitral valve repair. c) Domiciliary care of prosthetic heart valves.	3 4 3
4. Pectus Excavatum: a) Physiological consequences. b) Aetiology. c) Surgical techniques.	3 2 5
5. a) Assessment of myocardial viability. b) Assessment of reversibility of pulmonary arterial hypertension. c) Diagnosis of spontaneous oesophageal rupture.	4 3 3
6. a) Recent advances in Robotic technologies. b) Indications of VATS in thoracic surgery. c) Neurological complications following minimally invasive mitral valve surgery.	4 3 3
	P.T.O.

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7. Chylothorax: a) Aetiology. b) Biochemical diagnosis of chyle. c) Indications of surgery d) Medical management & surgical options/techniques	3 2 2 3
8. a) PARTNER Trial b) SYNTAX Trial c) FREEDOM Trial d) COURAGE Trial	2.5x4
9. Empyema thoracis: a) Classification b) Etiopathogenesis c) Light's Criteria d) Recent advances in management of Empyema thoracis.	2 3 3 2
10. Deep vein thrombosis: a) Etiology & diagnosis b) Complications c) Management d) Enumerate percutaneous interventions	4 2 2 2
