

CARDIO THORACIC SURGERY**PAPER-III**Time: 3 hours
Max. Marks:100

CTS/J/19/04/III

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) Indications of single and bilateral lung transplant. 4+6
b) Diagnosis and management of rejection in lung transplantation.
2. a) Pathophysiology of myasthenia gravis. 5+5
b) Classify and discuss surgical treatment of myasthenia gravis and its results.
3. a) Various types of tissue sealants and their uses. 5+5
b) Aminocaproic acid.
4. a) Indications of trans-esophageal echocardiography in cardio-thoracic surgery. 4+3+3
b) Segmental analysis of mitral valve for repair.
c) BUS.
5. a) Basis of stem cell therapy. 4+6
b) Current role of stem cell therapy in cardiac surgery.
6. ECMO: 3+3+4
a) Types.
b) Classification.
c) Oxygenator used.
7. a) Discuss role of Heart team in TAVI. 3+3+4
b) TAVI –Indications.
c) Short term and long term result.
8. a) Indications and techniques of sleeve lobectomy. 5+5
b) TNM staging and stage wise treatment options of lung cancer.

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9. a) Etiopathogenesis and classification of aortic aneurysms. 5+5
b) Role of hybrid procedures in various types of aortic aneurysms.
10. a) FREEDOM trial. 2+4+4
b) Current status of aortic valve repair.
c) Anti-arrhythmic drugs.

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