

CARDIO THORACIC SURGERY**PAPER – III**

Time : 3 hours

CTH/D/17/D/04/III

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:

- Peizoelectric effect. 4
 - Material having this property 3
 - Uses in medical practice 3
- Myasthenia gravis: 3+4+3
 - Etiopathology
 - Grading
 - Management.
- Bioprosthetic valve: 2+3+3+2
 - Types
 - Anti calcification treatment
 - Indications
 - Contraindications
- Superior sulcus tumours: 3+3+4
 - Etiopathology
 - Clinical and radiological features
 - Management
- Etiopathogenesis and management of hydatid disease of lung. 4+6
- Briefly describe PET (Position Emission Tomography) and its uses in ischaemic cardiomyopathy. 5+5
- Contrast Echocardiography: 5+5
 - Material used
 - Indications

P.T.O.



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| 8. | a. Enumerate various immunosuppressant drugs used in heart transplant. | 5+5 |
| | b. Recent advances in drug therapy following heart transplant. | |
| 9. | Total artificial heart: | 5+5 |
| | a. Indications, types and insertion techniques | |
| | b. Recent advances in term of energy source. | |
| 10. | a. What is SYNTAX trial? | 5+3+2 |
| | b. Design of SYNTAX trial | |
| | c. Outcome of SYNTAX trial. | |

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