

CARDIO THORACIC SURGERY

PAPER – III

Time : 3 hours
Max. Marks : 100

CTH/D/17/D/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. Piezoelectric effect. | 4 |
| | b. Material having this property | 3 |
| | c. Uses in medical practice | 3 |
| 2. | Myasthenia gravis: | 3+4+3 |
| | a. Etiopathology | |
| | b. Grading | |
| | c. Management. | |
| 3. | Bioprosthetic valve: | 2+3+3+2 |
| | a. Types | |
| | b. Anti calcification treatment | |
| | c. Indications | |
| | d. Contraindications | |
| 4. | Superior sulcus tumours: | 3+3+4 |
| | a. Etiopathology | |
| | b. Clinical and radiological features | |
| | c. Management | |
| 5. | Etiopathogenesis and management of hydatid disease of lung. | 4+6 |
| 6. | Briefly describe PET (Position Emission Tomography) and its uses in ischaemic cardiomyopathy. | 5+5 |
| 7. | Contrast Echocardiography: | 5+5 |
| | a. Material used | |
| | b. Indications | |

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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. | |
