

QP Code:104509

Reg. No.:.....

**M.Ch. (Cardio Vascular and Thoracic Surgery) Degree Regular/  
Supplementary Examinations November 2023**

**Paper IV – Recent Advances in Cardiac General Thoracic and Vascular Surgery**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:**

**(20)**

1. Left ventricular assist devices - evolution and current status.

**Short essays:**

**(8x10=80)**

2. ECMO (Extracorporeal membrane oxygenator) in cardiac surgery.
3. Patient safety concepts in cardiac surgery
4. Synthetic materials used in the reconstruction of diaphragm.
5. Ex vivo lung perfusate.
6. Intraoperative ablation for atrial fibrillation
7. Current status of aortic valve repair.
8. VATS (Video Assisted Thoracoscopic Surgery) lobectomy
9. Total Artificial Heart (TAH).

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