

QP Code:104509

Reg. No.:.....

**M.Ch. (Cardio Vascular and Thoracic Surgery) Degree Examinations
July 2019**

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

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay: (20)

1. Describe the methods of minimally invasive mitral valve surgery.

Short essays: (8x10=80)

2. Long acting cardioplegia.
3. TEVAR - Thoracic endovascular aortic repair
4. Split lung transplant
5. Robotic surgical management of atrial septal defect
6. Organ banking
7. Tricuspid valve annuloplasty – current status
8. Hybrid cardiac and vascular operations.
9. Types of ECMO (extracorporeal membrane oxygenator) and their indications
