

QP Code:104509

Reg. No.:.....

**M.Ch. (Cardio Vascular and Thoracic Surgery) Regular/Supplementary
Degree Examinations August 2021**

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. Discuss mitral valve anatomy, types of mitral regulation and the repair techniques of mitral regurgitation

Short essays:

(8x10=80)

2. Anti calcification treatment for bio prosthetic valves
3. Aortic valve preserving root replacement
4. Newer strategies for myocardial protection in cardiac surgery
5. Miniaturized extracorporeal circulation (MECC)
6. Lung transplantation – indications and results
7. Total artificial heart
8. Types of rejection in heart transplantation and management
9. Centrifugal pump
