

QP Code: 104501

Reg. No.:.....

**D.M. (Cardiology) Degree Regular/Supplementary Examinations  
August 2021**

**Paper IV – Recent Advances in Cardiology**

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 about the pathophysiology of cardiogenic shock and its stages. Explain in detail the various options available for mechanical circulatory support in cardiogenic shock. Explain the hemodynamic principles behind their use.

**Short essays:**

**(8x10=80)**

2. Aquaretics
3. Iron therapy in heart failure: evidence and practice
4. His-bundle pacing
5. Atherectomy options for calcific coronary artery disease
6. CASTLE-AF clinical trial.
7. Transthyretin cardiac amyloidosis: epidemiology, diagnosis and management
8. Micro RNA in cardiovascular disease
9. Vascular closure device

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