

QP Code: 104501

Reg. No.:.....

**D.M. (Cardiology) Degree Regular/Supplementary Examinations  
April 2025**

**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. Shock wave – Intra Vascular Lithotripsy (IVL): its utility in percutaneous interventions of calcified coronary lesions.

**Short essays:**

**(8x10=80)**

2. New therapeutic approach towards management of below knee peripheral arterial disease.
3. Renal denervation: controversies and current role in management of resistant systemic hypertension.
4. Leadless pacemakers.
5. Fractional Flow Reserve (FFR) and instantaneous wave – free ratio (IFR).
6. Hybrid coronary revascularization.
7. ACC/AHA guidelines for management of HFpEF (Heart Failure with Preserved Ejection Fraction).
8. Appropriate use criteria for revascularization in patients with Acute Coronary Syndrome (ACS).
9. Diagnosis and management of coronary perforation.

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