

Q P Code:103501

Reg. No.:.....

**D.M. (Cardiology) Degree Regular/Supplementary Examinations
November 2023**

Paper III – Cardiac Investigations and Therapeutics

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. Catheter based interventions in mitral valve disease.

Short essays:

(8x10=80)

2. Acute aortic syndrome: diagnosis and management.
3. Trials of on-pump and off-pump coronary artery bypass graft (CABG) surgery.
4. SYNTAX II and III trial.
5. Bioprosthetic valve dysfunction: diagnosis and management.
6. Mavacamten.
7. Discuss about artificial intelligence (AI) based tool to measure atherosclerotic plaque in CT coronary angiography.
8. Bifurcation stenting: strategies in clinical practice.
9. Cardiovascular effects in patients with obstructive sleep apnea and its management.
