

QP Code: 101501

Reg. No.:.....

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

Paper I – Basic Sciences

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. Autonomic regulation of cardiovascular system.

Short essays: (8x10=80)

2. ECG identification of path ways in pre-excitation syndrome.
3. Role of ambulatory blood pressure monitoring in clinical practice.
4. Echo assessment before cardiac resynchronization therapy.
5. Poiseuille's law.
6. Cardiac pacemaker potential and its ionic basis.
7. Triangle of Koch and its importance.
8. Resistance and capacitance vessels.
9. C.T. Coronary calcium scoring: It's present use in clinical practice.
