

QP Code: 101501

Reg. No.:.....

**D.M. (Cardiology) Degree Regular/Supplementary Examinations
December 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. Coronary flow reserve - discuss the measurement. What are the advantages and limitations

Short essays: (8x10=80)

2. Pulmonary vascular resistance-estimation and clinical relevance
3. Role of homocysteine in Atherosclerosis
4. Role of PDA in complex congenital heart diseases
5. Coronary flow reserve
6. Syndrome X
7. TAPVC
8. Role of mitochondria in cardiac diseases
9. Development of interventricular septum and its malformations

CORRECTION / NO-CORRECTION FILE
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QPCODE: 101501

Dated: 29-12-2025

Question No.5

Replaced with "Obligatory shunts"

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS