

QP Code: 101501

Reg. No.:.....

**D.M. (Cardiology) Degree Regular/Supplementary Examinations  
August 2022**

**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. Anatomy of the mitral valve apparatus and practical implications.

**Short essays: (8x10=80)**

2. Anatomy of the AV node and bundle of His and its practical implications
3. Coronary flow reserve and indices of measurement.
4. Ventricular interdependence
5. Physiology of the Autonomic nervous system of the heart and practical considerations.
6. Development of AV valves and malformations
7. Describe pulmonary vascular resistance, estimation and clinical relevance
8. Genetics of cardiac channelopathies
9. Therapeutic implications of atrial fibrillation in patients undergoing PCI.

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