

QP Code: 101501

Reg. No.:.....

D.M. (Cardiology) Degree Supplementary Examinations March 2021

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. Describe the microstructure of cardiac myocyte. Explain in detail excitation-contraction coupling of the cardiac myocyte and its neurohormonal control

Short essays:

(8x10=80)

2. Coronary flow reserve
3. Pathophysiological mechanisms of atrial fibrillation
4. Embryological development of the ventricular septum.
5. Primary prevention of atherosclerosis
6. Pathophysiology of ischemic mitral regurgitation
7. Diuretic resistance- mechanism and management
8. Left ventricular adaptation to pressure/volume overload
9. Collateral circulatory pathways in Coarctation of Aorta
