

QP Code: 101501

Reg. No.:.....

D.M. (Cardiology) Degree Supplementary Examinations January 2020

Paper I – Basic Sciences

Time: 3 hrs

Max marks:100

- ***Answer all questions***
- ***Draw diagrams wherever necessary***

Essay:

(20)

1. Discuss the embryology, anatomy and physiology of non-compaction of the left ventricle.

Short essays:

(8x10=80)

2. Describe the fetal circulatory changes at birth.
3. Neo-atherosclerosis.
4. Anatomy of the mitral apparatus.
5. Deleterious health effects of partial hydrogenation of vegetable oils.
6. Pathophysiology of acute aortic regurgitation
7. Physical principles of rotablation.
8. Role of nitric oxide in cellular pathophysiology and diseases.
9. Aorto-pulmonary collaterals in cyanotic heart disease.
