

(LN 005)

AUGUST 2018

Sub. Code: 1421

D.M. – CARDIOLOGY

Paper I – BASIC SCIENCES

Q.P.Code: 161421

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Developmental embryology and fate of the aortic arches in the fetus adding a special note on the various anomalies.
2. Describe the anatomy of the mitral valve apparatus and write on the pathophysiology of chronic rheumatic mitral regurgitation versus acute mitral regurgitation.

II. Write notes on:

(10 x 7 = 70)

1. Second degree atrio-ventricular block.
2. Hang out interval.
3. Venous drainage of the heart.
4. Myocardial Bridging.
5. Coagulation cascade.
6. Ranolazine.
7. 'A' wave in the Jugular venous tracing.
8. Oxymetry for the detection of intra cardiac shunts.
9. Frank Starlings law of the heart.
10. Atrial Isomerism.
