

(LP 005)

AUGUST 2019

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. Discuss the molecular basis of cardiac action potential. Discuss the etiopathogenesis of channelopathies.
2. Discuss the role of endothelium and blood in the coagulation cascade and its therapeutic implications in pharmacotherapy.

II. Write notes on:

(10 x 7 = 70)

1. Genetic basis of Brugada syndrome.
2. Fick's Principle.
3. Reverse Wenckebach phenomenon.
4. Electrical Storm.
5. Obligatory Shunt.
6. Baye's theorem and its application.
7. Ventricular interdependence.
8. Matrix Mineraloproteinase.
9. Lewis cycle.
10. Surface anatomy of subclavian venous system.
