Rajiv Gandhi University of Health Sciences
D.M Degree Examination – JULY 2016

Time: Three Hours   Max. Marks: 100 Marks

Cardiology - PAPER – I
Basics Sciences
QP Code: 9111

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (These questions carry 10 marks each)   **10 x 10 = 100 Marks**

1. Intracoronary imaging – merits and demerits of IVUS, OCT and NIRS

2. Development and developmental anomalies of SVS and IVC

3. Usefulness of exercise testing in patients with non atherosclerotic heart disease

4. Continuity equation and pressure ½ time

5. Mechanism of primary hypertension

6. Clinical application of PET perfusion imaging

7. MRI in cardiomyopathies

8. Coronary artery calcium scanning by CT and its clinical utility

9. Calcium ion fluxes in the cardiac contraction, relaxation cycle

10. Initiation of atherosclerosis and evolution of atheroma

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