0719E247

Candidate's Seat No : _____

D.M. Examination

Branch II : Cardiology

(Applied Basic Sciences)

Paper-I

Date : 02-07-2019, Tuesday] **[Max. Marks : 100**

Time : 3 Hours]

Instructions : (1) Figure to the right indicates full marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

1.	Describe in detail the embryogenesis of Aortic arch and its developmental anomalies	20
2	Pathophysiology and aetiology of essential hypertension	20
3	How to calculate stenotic valve orifice area and shunt quantification at cardiac catheterization	20
4	4.1 Meta-Analysis: its strength and weakness 4.2 Sample size calculation in research	20
5	5.1 Radiation protection in cath lab 5.2 Correct method For various non-invasive blood pressure measurement techniques	20

0719E268

Candidate's Seat No : _____

D.M. Examination

Branch II : Cardiology

(Speciality)

Paper-II

Date : 05-07-2019, Friday] **[Max. Marks : 100**

Time : 3 Hours]

Instructions : (1) Figure to the right indicates full marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

1.	Recent advances in device based therapy in management of heart failure	20
2	Primary and secondary prevention of rheumatic heart disease: current status.	20
3	3.1 Ischemic mitral regurgitation: evaluation and management 3.2 Detection of vulnerable plaque	20
4	4.1 Statin induce diabetes 4.2 Granulomatous myocarditis : current status	20
5	5.1 PFO closure : current status 5.2 Describe the embryology, classification and outline of management of tricuspid atresia	20

0719E289

Candidate's Seat No : _____

D.M. Examination

Branch II : Cardiology

(Speciality)

Paper-III

Date : 08-07-2019, Monday] **[Max. Marks : 100**

Time : 3 Hours]

Instructions : (1) Figure to the right indicates full marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

1.	Describe various CV risk scores and their utility	20
2	2.1 Sleep and cardio metabolic risk 2.2 Aspirin for primary prevention: current status	20
3	Discuss etiopathogenesis , classification and management of Aortic dissection	20
4	4.1 Short QT syndrome 4.2 Splanchnic nerve block for acute heart failure	20
5	5.1 Diagnostic differentiation between restrictive and constructive cardiomyopathy 5.2 Phlebotomy in cyanotic heart disease ; when and how	20

1/27 **0719E309** Candidate's Seat No : _____

D.M. Examination

Branch II : Cardiology

(Modern Trends & Advances)

Paper-IV

Date : 10-07-2019, Wednesday] **[Max. Marks : 100**

Time : 3 Hours]

Instructions : (1) Figure to the right indicates full marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

1.	1.1 Guideline based approach for follow up of asymptomatic post CABG patient with normal LVEF 1.2 Discuss the guideline based approach for post STEMI rehabilitation.	20
2	2.1 Artificial intelligence in cardiology 2.2 Percutaneous mitral valve intervention	20
3	Renal denervation for management of Various cardiac disorder	20
4	4.1 His pacing 4.2 Strain and Strain Rate Imaging: How, Why and When?	20
5	5.1 Role of radiofrequency ablation in management of VT 5.2 management of AF during and after Percutaneous coronary intervention.	20