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DM (CARDIOLOGY) DEGREE EXAMINATION – JULY 2015

SUBJECT: PAPER I: BASIC SCIENCES

Tuesday, July 14, 2015

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

Long Essay:

- 1. Discuss the development, anatomy and congenital abnormalities of the conotruncal system.
 (20 marks)
- 2. Discuss Physiology of excitation contraction coupling and alterations in heart failure .

(20 marks)

- 3. Write short notes on:
- 3A. Describe Bayes theorem and its clinical applications
- 3B. Long QT Syndrome
- 3C. What is Ficks principle? Describe its clinical application
- 3D. Takotsubo Cardiomyopathy
- 3E. Left ventricular remodeling after acute myocardial infarction
- 3F. Asplenia syndrome

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$

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DM (CARDIOLOGY) DEGREE EXAMINATION – JULY 2015

SUBJECT: PAPER II: ISCHEMIC HEART DISEASE

Wednesday, July 15, 2015

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

∠ Long Essay:

1. Describe the causes and management of Cardiogenic shock in acute MI.

(20 marks)

2. Outline management of post MI ventricular tachycardia. Add a short note on drug induced TdP.

(20 marks)

- 3. Write short notes on:
- 3A. Cardiac resynchronisation therapy
- 3B. New onset atrial fibrillation
- 3C. Coronary stent restenosis
- 3D. Coronary Plaque erosion
- 3E. Micro vascular angina
- 3F. Stress echocardiogram

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$



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DM (CARDIOLOGY) DEGREE EXAMINATION – JULY 2015 SUBJECT: PAPER III: CONGENITAL AND VALVULAR HEART DISEASE

Thursday, July 16, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

∠ Long Essay:

1. Describe clinical features, diagnosis and management of coarctation of aorta.

(20 marks)

2. Describe the causes, diagnosis and management of Severe mitral regurgitation.

(20 marks)

- 3. Write short notes on:
- 3A. Eisenmengers physiology
- 3B. TAVR
- 3C. ALCAPA
- 3D. Ebsteins anomaly
- 3E. Acute severe AR
- 3F. Complications of IE

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$

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DM (CARDIOLOGY) DEGREE EXAMINATION - JULY 2015

SUBJECT: PAPER IV: OTHER CARDIO VASCULAR DISEASES

Friday, July 17, 2015

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

∠ Long Essay:

1. Novel oral anticoagulants (NOAC). Indications. Benefits. Describe each one shortly.

(20 marks)

2. Describe diagnosis and management of Acute decompensated heart failure.

(20 marks)

- 3. Write short notes on:
- 3A. Restrictive cardiomyopathy
- 3B. Aspirin in primary prevention of CV events
- 3C. LV assist devices
- 3D. Management of severe primary pulmonary artery hypertension
- 3E. OCT in coronary interventions
- 3F. Cardiac complications in obstructive sleep apnea

 $(10 \text{ marks} \times 6 = 60 \text{ marks})$