

POST-DOCTORAL DEGREE EXAMINATION – OCTOBER 2020

D.M. CARDIOLOGY

Time: 3 Hours

Max. Marks: 100

PAPER – I

Basic Sciences as applied to Cardiology

Q.P. Code: 1501

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Discuss development and anatomy of mitral valve
2. Discuss pathophysiology of essential hypertension

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Genetic of hypertrophic cardiomyopathy
4. "P" value
5. Dietary recommendation in coronary artery disease patient
6. Bezold Jarisch Reflex
7. CRP
8. Lipoprotein-a

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PAPER – II

Ischemic Heart Disease and Congenital Heart Disease

Q.P. Code: 1502

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Discuss cardiac rehabilitation in a patient with Acute coronary syndrome following PTCA/CABG
2. Discuss the management of co-arctation of aorta

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Pre surgical clearance in asymptomatic 60 years old diabetic patient undergoing knee replacement
4. OCT in bifurcation stenting
5. ECG localization in STEMI
6. Pharmacoinvasive strategy
7. Statin intolerance
8. Duration of dual antiplatelet therapy post PCI

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PAPER – III
RHD, Hypertension, Cardiomyopathy and other
Cardiovascular Diseases

Q.P. Code: 1503

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Approach to patient with cardiogenic shock in AMI
2. Approach to a case of asymptomatic severe aortic stenosis

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Anticoagulation in pregnant female with prosthetic heart valve
4. Heartmate
5. PCSK-9 receptors
6. Role of EPS in patient of syncope
7. Diastolic dysfunction by echocardiography
8. Infective endocarditis prophylaxis

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**PAPER – IV
Recent Advances in Cardiology**

Q.P. Code: 1504

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Current status of Newer Oral Anticoagulants (NOAC)
2. Status of fetal cardiac interventions

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Wearable cardioverter defibrillator
4. Leadless pacemaker
5. ARNI in heart failure
6. Pioneer AF-PCI
7. NSAIDS in coronary artery disease patient
8. PCSK-9 inhibitors
