

DM [Cardiology]

BF/2008/12

Basic Sciences as related to Cardiology

[Paper -I]

Time : 3 Hours

M.M.: 100

Note : Attempt all questions.

1. Discuss Cardiovascular adjustments during normal pregnancy. [25]

 2. **Discuss in brief:** [15+15]
 - a. Left ventricular remodeling following acute myocardial infarction.
 - b. Assessment of Myocardial viability.

 3. **Write short notes on:**
 - a. Pulsus paradoxus. [15]
 - b. Stress Echo cardiography. [15]
 - c. Complete Heart block. [15]
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Principles of Cardiology

[Paper -II]

Time : 3 Hours

M.M.: 100

Note : Attempt all questions.

1. Discuss the evidence based management of acute coronary syndrome. [40]

 2. **Discuss briefly:** [30]
 - a. Low renin hypertension.
 - b. Vasovagal syncope.
 - c. Hibernating myocardium.

 3. **Write short notes on:** [30]
 - a. Pathogenesis of Takayasu's aorto-arteritis.
 - b. Management of Carotid artery stenosis.
 - c. Anatomy of atrioventricular septal defect.
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Practice of Cardiology

[Paper –III]

Time : 3 Hours

M.M.: 100

Note : Attempt all questions.

1. Discuss the mechanism and management strategies of Reperfusion induced injury. [30]

2. **Write short notes on:**
 - a. Treatment of primary pulmonary hypertension. [10]
 - b. Fetal arrhythmias. [10]
 - c. Cardiac biopsy grading for heart transplant rejection. [10]

3. **Discuss briefly:**
 - a. Haemodynamic adjustments during pregnancy. [10]
 - b. Carotid stenting-current status. [10]
 - c. Status of stem cell therapy in LV dysfunction. [10]
 - d. Differences between Glycoprotein II b/III a inhibitors. [10]

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Recent advances in Cardiology

[Paper -IV]

Time : 3 Hours

M.M.: 100

Note : Attempt all questions.

1. Describe recent management of Atrial fibrillation. [25]

 2. **Discuss the following:**
 - a. Stenting V/s Surgery in left main disease. [15]
 - b. Device therapy for Heart failure. [15]
 - c. Stem cell therapy in Cardiovascular diseases. [15]

 3. **Write short notes on:**
 - a. 3 D echocardiography. [10]
 - b. On-target trial. [10]
 - c. Prevention of infective endocarditis. [10]
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