

DM [Cardiology]

BF/2009/05

Basic Sciences as related to Cardiology

[Paper -I]

Time : 3 Hours

M.M.: 100

Note : Attempt all questions.

1. Discuss the Electrophysiology of Paroxysmal Supra Ventricular Tachycardia. [25]

2. **Discuss in brief:**
 - a. Ideal anti arrhythmic drug. [15]
 - b. Diagnosis of infection endocarditis. [15]

3. **Write short notes on:**
 - a. Krotokoff sounds. [15]
 - b. Featal circulation. [15]
 - c. Dobotamin. [15]

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Principles of Cardiology

[Paper -II]

Time : 3 Hours

M.M.: 100

Note : Attempt all questions.

1. Discuss in detail the management of a post-operative TOF patient aged 18 years. [40]

2. **Discuss briefly:**
 - a. Idiopathic Ventricular Fibrillation. [10]
 - b. Role of Vasodilators in aortic regurgitation. [10]
 - c. Genome and statin induced Myositis. [10]

3. **Write short notes on:**
 - a. Cardio Cerebral Resuscitation[CCR]. [10]
 - b. Athletic Heart. [10]
 - c. Echo in Pulmonary embolism. [10]

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Practice of Cardiology

[Paper -III]

Time : 3 Hours

M.M.: 100

Note : Attempt all questions.

1. Discuss in detail microvascular obstruction and No-reflow phenomenon after percutaneous coronary intervention. [30]

2. **Write short notes on:** 3x10=30
 - a. Parasympathetic nervous system and heart failure.
 - b. Genetic determinants of sudden cardiac death.
 - c. Endomyocardial biopsy - indications and contraindications.

3. **Discuss briefly:** [4x10=40]
 - a. Postural tachycardia syndrome.
 - b. Choice of prosthetic heart valve in today's practice.
 - c. Apical ballooning syndrome.
 - d. Coronary stents and noncardiac surgery.

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Recent advances in Cardiology

[Paper -IV]

Time : 3 Hours

M.M.: 100

Note : Attempt all questions.

1. Aortic Dissection – Classification, diagnosis and treatment. [25]

2. **Discuss the following:** [45]
 - a. Stent/surgery for Left Vain stenosis.
 - b. Diagnosis and treatment of Myocarditis.
 - c. Eythropoietin in anaemia with Left Ventricle dysfunction.

3. **Write short notes on:** [30]
 - a. Takotsuba Cardiomyopathy.
 - b. Lipoprotein (a).
 - c. Intravascular imaging for vulnerable plaque.
