

[LE 0212]

FEBRUARY 2014

Sub. Code: 1503

**B.Sc. CARDIAC TECHNOLOGY
FIRST YEAR**

**PAPER – III – PATHOLOGY, MICROBIOLOGY, CLINICAL
FEATURES AND TREATMENT OF DISEASES PERTINENT
TO CARDIAC TECHNOLOGY**

Q.P. Code : 801503

Time : Three hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(3X10=30)

1. Clinical features, diagnosis and complications of acute myocardial infarction.
2. Cardiac tamponade in cardiac catheterisation laboratory causes, clinical recognition and management.
3. Classify the various cyanotic heart diseases and briefly describe the morphology and clinical features of any **Five** of them.

II. Write Notes on:

(8X5=40)

1. Etiology and clinical features of rheumatic fever.
2. Complications of infective endocarditis.
3. Etiology and clinical presentation of dilated cardiomyopathy.
4. Causes and clinical features of myocarditis.
5. Clinical features and treatment of complete heart block.
6. Diagnostic tests for pulmonary embolism.
7. Clinical features and diagnosis of acute dissection of aorta.
8. Diagnostic tests for peripheral vascular disease.

III. Short Answers on:

(10X3=30)

1. Symptoms and signs of mitral stenosis.
2. X ray chest and Echo findings in aortic regurgitation.
3. Betablockers.
4. ACE inhibitors.
5. Calcium channel blockers.
6. Surgical treatment of heart failure.
7. Radiofrequency ablation – Technique and indications.
8. Prophylaxis of deep vein thrombosis.
9. Coarctation of aorta.
10. Device closure of congenital defects.
