

B.Sc. CARDIAC TECHNOLOGY
(New Syllabus 2014-2015)

FIRST YEAR

Paper II – PATHOLOGY, MICROBIOLOGY AND PHARMACOLOGY
RELATED TO CARDIAC TECHNOLOGY

Q.P. Code : 801509

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Classify anti-anginal drugs. Discuss the mechanism of action and therapeutic uses of beta blockers.
2. Discuss in detail about etiopathogenesis, diagnostic criteria of Rheumatic fever and name any three complications.
3. Classify congenital heart diseases. Briefly discuss pathogenesis, clinical features and morphology of Tetralogy of Fallot.

II. Write Notes on:

(8 x 5 = 40)

1. Describe the morphology of cardiac myxomas and name any other tumours of heart.
2. Classify the anti-atherosclerotic drugs. Discuss the mechanism of action of statins.
3. Enumerate the causes of acquired heart valve diseases.
4. Pathophysiology of congenital acyanotic heart diseases.
5. Mention the disorders predisposing to Cor Pulmonale.
6. Causes and consequences of hypertrophic cardiomyopathy.
7. What are the causes of aortic dissection and describe the different types?
8. What are the predisposing factors of hypertension?

III. Short Notes on:

(10 x 3 = 30)

1. Mitral regurgitation.
2. Cardiac tamponade.
3. Wegner's granulomatosis.
4. Causes of lymphedema.
5. Furosemide.
6. Atheromatous plaque.
7. Causes and effects of deep vein thrombosis.
8. Heart failure cells.
9. Complications of infective endocarditis.
10. Clopidogrel in the management of myocardial infarction.
