

**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. Enumerate antiplatelet drugs. Discuss the mechanism of action, uses and adverse effects of Aspirin.
2. Classify acyanotic heart diseases. Explain the pathogenesis and clinical presentation of diseases with left to right shunt.
3. Describe about etiology, clinical features, diagnosis and treatment of Rheumatic fever.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Fibrinolytics.
2. Angiotensin Converting Enzyme inhibitors.
3. Morphine.
4. Giant cell arteritis.
5. Cor pulmonale.
6. Tetralogy of Fallot.
7. Pericardial effusion.
8. Hypertrophic cardiomyopathy.

**III. Short Notes on:**

**(10 x 3 = 30)**

1. Adenosine.
2. Mechanism of action of Diazepam.
3. Uses of Corticosteroids.
4. Dobutamine.
5. Cardiac tamponade.
6. Major criteria of Infective endocarditis.
7. Pseudoaneurysm.
8. Enumerate non modifiable coronary risk factors.
9. Angioplasty.
10. Ambulatory ECG monitoring.

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