

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[AHS 0423]

APRIL 2023

Sub. Code: 1541

**B.Sc. CARDIAC TECHNOLOGY  
FIRST YEAR (Regulation 2021-2022 onwards)  
PAPER II – PATHOLOGY, MICROBIOLOGY AND PHARMACOLOGY  
RELATED TO CARDIAC TECHNOLOGY  
Q.P. Code: 801541**

**Time: Three hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 X 10 = 30)**

1. Classify drugs used in Heart failure. Add a note on Digoxin.
2. Discuss in detail about etiopathogenesis, morphology, diagnostic criteria and clinical features of Infective Endocarditis.
3. Define Immunity and explain about its classification.

**II. Write Notes on:**

**(8 X 5 = 40)**

1. Vaccination and its types.
2. Difference between Prokaryotic and Eukaryotic cell.
3. Structure and functions of Cell Wall.
4. Wound Healing.
5. Drugs used in Hypertension.
6. Aneurysms.
7. Major causes of Myocarditis.
8. Antiplatelet drugs.

**III. Write Short notes on:**

**(10 X 3 = 30)**

1. Amiodarone.
2. Albert stain.
3. ELISA.
4. Anaphylaxis.
5. Vasculitis.
6. Types of Cardiomyopathy.
7. Ambulatory ECG monitoring.
8. Pseudo aneurysm.
9. Name the Anti-anginal drugs.
10. Lab investigation of Rheumatic fever.

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