

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

[AHS 0423]

APRIL 2023

Sub. Code: 1509

B.Sc. CARDIAC TECHNOLOGY
FIRST YEAR (Regulations 2014-2015 & 2018-2019 onwards)
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. Explain in detail about etiopathogenesis, morphology and fate of Thrombus.
2. Define Edema. Briefly describe the causes and clinical presentation of different types of Edema with suitable examples.
3. Classify Antianginal drugs. Write in detail about the mechanism of action, uses and adverse effects of Nitrates.

II. Write Notes on:

(8 X 5 = 40)

1. Write a brief note on Heparin
2. Class III Antiarrhythmic drugs.
3. Thiazide diuretics.
4. Mechanism of action, uses and adverse effects of Atorvastatin.
5. Explain the Wound Healing Process.
6. Define Gangrene. What are the risk factors and different types of Gangrene?
7. Pathogenesis of Primary hypertension.
8. Infective Endocarditis.

III. Write Short notes on:

(10 X 3 = 30)

1. Differentiate Atrophy and Hypertrophy.
2. Atrial Septal Defect.
3. Define Fatty change.
4. Aortic stenosis.
5. Dissecting aneurysm.
6. Enumerate Proton pump inhibitors and mention their uses.
7. Adverse effects of loop diuretics.
8. B-blockers.
9. Drugs used in Anaesthesia.
10. Dopamine.
