

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

[AHS 0423]

APRIL 2023

Sub. Code: 1531

B.Sc. CARDIAC TECHNOLOGY
SECOND YEAR (Regulations 2014-2015, 2018-2019 & 2020-2021 onwards)
PAPER I – CLINICAL FEATURES AND TREATMENT RELEVANT TO
CARDIAC TECHNOLOGY AND BASIC LIFE SUPPORT
Q.P. Code: 801531

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Explain on Cardiac Dysrhythmias. Mention in detail about Heart Block.
2. Discuss about the various types of Cardiomyopathy and its etiology, pathophysiology, clinical manifestations and treatment.
3. Etiology, pathophysiology, diagnosis, and treatment of Pulmonary Embolism.

II. Write Notes on:

(8 x 5 = 40)

1. Management of Pulmonary Edema.
2. Acute Coronary Syndromes.
3. Pathophysiology of Raynaud's disease.
4. Anticoagulants.
5. Cardiogenic shock.
6. Airway management.
7. Define Syncope - Causes and types.
8. Cardiopulmonary resuscitation.

III. Write Notes on:

(10 x 3 = 30)

1. Anaphylaxis.
2. Mention cardiac biomarkers and their significance.
3. Adrenaline.
4. What is Pericarditis? Mention the types.
5. Diagnosis of CCF.
6. Cardiac Tamponade.
7. Causes of Aortic stenosis and various treatment modalities.
8. Post traumatic seizures.
9. Uses of central venous catheter.
10. Treatment of Septic shock.
