

THE TAMIL NADU M.G.R. MEDICAL UNIVERSITY

[AHS 1023]

OCTOBER 2023

Sub. Code: 1731

**M.Sc. CRITICAL CARE TECHNOLOGY
THIRD YEAR (From 2020-2021 onwards)
PAPER I – ADVANCED CRITICAL CARE PART - I
BRANCH II – GENERAL CRITICAL CARE AND CARDIAC**

Q.P. Code: 281731

Time: Three hours

Answer All Questions

Maximum: 100 Marks

I. Elaborate on:

(2 X 20 = 40)

1. Discuss in detail about Cardiac tamponade its causes, clinical features and management.
2. Define Angina pectoris and explain etiology, pathophysiology, clinical manifestations, diagnosis and treatment.

II. Write Short Notes on:

(10 X 6 = 60)

1. Pulmonary fibrosis- Definition, pathogenesis, clinical features, diagnostic criteria and management.
2. Describe the various methods of cardiac output determination in detail. List their advantages and disadvantages.
3. Fick's principle.
4. Postural drainage and chest physiotherapy in bronchiectasis.
5. Oximetry findings in a Patent ductus arteriosus indication of coronary angioplasty.
6. Swan Ganz catheter.
7. Complications of diagnostic cardiac catheterization.
8. Hypoventilation – definition, causes and management.
9. Pulmonary angiogram.
10. Cardiac pressure monitoring in lab.
