

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

**[MSCN 0923]**

**SEPTEMBER 2023  
(MAY 2023 EXAM SESSION)**

**Sub. Code: 2332**

**M.Sc. (NURSING) DEGREE EXAMINATION  
(Regulations for candidates admitted from 2011-2012 Sessions onwards)**

**SECOND YEAR**

**PAPER II – CLINICAL SPECIALITY – II  
BRANCH I – MEDICAL SURGICAL NURSING  
01 – CARDIO VASCULAR AND THORACIC NURSING**

***Q.P. Code: 302332***

**Time: Three Hours**

**Maximum: 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. a) Define Pulmonary Embolism.  
b) Discuss the risk factors, pathophysiology and clinical manifestations of a patient with Pulmonary Embolism.  
c) Explain the medical and nursing management of a patient with Pulmonary Embolism.
2. a) Define Congestive Cardiac Failure.  
b) Explain the pathophysiology and differentiate the clinical manifestations between the types of Congestive Cardiac Failure.  
c) Write the medical and nursing management of a patient with Congestive Cardiac Failure.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Cardiac catheterization.
2. Oxygen delivery systems.
3. Atrial Septal Defect.
4. Inotropic agents.
5. Design of Intensive Cardiothoracic Unit (ICTU).
6. Cardiopulmonary resuscitation.
7. Chest physiotherapy.

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