

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

[LR 1220]

**DECEMBER 2020
(AUGUST 2020 EXAM SESSION)**

Sub. Code: 6262

**BPT DEGREE EXAMINATION
THIRD YEAR / EIGHTH SEMESTER
PAPER IV - P.T. IN CARDIO-RESPIRATORY CONDITIONS
Q.P. Code : 746262**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. List the indications for Coronary Artery Bypass Grafting (CABG). Write a note on the harmful effects on the body because of the Bypass machine. Describe the Physiotherapy assessment and management of a 65 year old male with CABG.
2. Discuss the reasons why a person breathing on the ventilator may have increased secretions. Add a note on the importance of Mucociliary escalator. Describe all relevant Physiotherapy techniques that could be utilised in a mechanically ventilated person.

II. Write notes on:

(8 x 5 = 40)

1. Describe the mechanism of Cough Reflex.
2. List the different relaxation positions. Describe the forward lean sitting position.
3. Discuss about the normal breath sounds that could be auscultated in the pulmonary system. Add a note on the abnormal breath sounds.
4. Write the exercises a person can perform while on Intercostal drainage for Left Pneumothorax.
5. List the risk factors for developing Hypertension. Discuss the role of exercise in reducing Hypertension.
6. Outline the causes of Dyspnea and discuss the management of dyspnea.
7. Explain the physiotherapy management of Lung Abscess.
8. Role of breathing exercises in preventing post-operative pulmonary complications.

III. Short answers on:

(10 x 2 = 20)

1. Define Inspiratory capacity.
2. Define Ejection Fraction.
3. Name the collaterals that are present in the lungs.
4. Write the components of Active Cycle of Breathing Technique.
5. What are the differences between Coughing and Huffing?
6. What are the risk factors for developing Ischemic Heart Diseases?
7. List any four contra-indications of postural drainage.
8. Which are the common sites for developing Atherosclerosis?
9. What is Autogenic Drainage?
10. Expand CPAP and indications for giving CPAP.
