

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

**[BPT 0122]**

**JANUARY 2022  
(AUGUST 2021 EXAM SESSION)**

**Sub. Code: 6289**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FOURTH YEAR- (Regulation from 2017-2018 onwards)  
PAPER III – P.T. IN CARDIO-RESPIRATORY CONDITIONS  
*Q.P. Code : 746289***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Write in detail about Cardio Vascular Stress Test. How is it useful in cardiopulmonary rehabilitation.
2. Write in detail about general cardiopulmonary assessment and PT management for a 45 year old chronic smoker posted for Segmentectomy.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Oxygen therapy.
2. Chest physiotherapy.
3. Active Cycle of Breathing Technique.
4. Bronchial Hygiene.
5. Glosso Pharyngeal breathing.
6. ADL assessment for rehabilitation.
7. Manual hyperinflation.
8. Assessment of Breathing pattern.
9. Puffer.
10. Rate of perceived exertion.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Directly observed Therapy Short course (DOTS).
2. Postural drainage.
3. Cystic Fibrosis.
4. QRS complex in ECG.
5. Respiratory Alkalosis.
6. Six Minute walk test.
7. Chylothorax.
8. Heart lung machine.
9. Grunting.
10. Chyene Stoke Breathing.

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

**[BPT 0622]**

**JUNE 2022**

**Sub. Code: 6289**

**(FEBRUARY 2022 EXAM SESSION)**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FOURTH YEAR- (Regulation from 2017-2018 onwards)  
PAPER III – P.T. IN CARDIO-RESPIRATORY CONDITIONS  
*Q.P. Code : 746289***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss in detail about cardiac rehabilitation.
2. Discuss in detail about pre and post – operative management for right pneumonectomy.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Pulmonary function test.
2. Relaxation position for breathlessness.
3. Nebulisers.
4. Exercise tolerance test.
5. Atelectasis.
6. Edema and its management.
7. Chest mobility exercise.
8. Hazards and mode of entry of suction.
9. Basal expansion breathing exercise.
10. Mastectomy – physiotherapy.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Resting respiratory level.
2. Difference between huff and cough.
3. Cyanosis.
4. Chyne Stoke breathing.
5. CABG.
6. Decortication.
7. Broncho pleural fistula.
8. SIMV.
9. Eisenmenger syndrome.
10. Vital capacity.

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

**[BPT 1022]**

**OCTOBER 2022  
(AUGUST 2022 EXAM SESSION)**

**Sub. Code: 6289**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FOURTH YEAR- (Regulation from 2017-2018 onwards)  
PAPER III – P.T. IN CARDIO-RESPIRATORY CONDITIONS  
*Q.P. Code : 746289***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the role of Physiotherapist in Paediatric Intensive Care Unit.
2. Discuss in detail about Post-operative Physiotherapy Management for Left Pneumonectomy.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Heat and Moist Exchangers.
2. Pulmonary Rehabilitation.
3. Circuit training in Cardiac Rehabilitation.
4. Six Minute Walk Distance test.
5. Synchronized Intermittent Mandatory Ventilation.
6. Normal and Abnormal Breath Sounds.
7. Thoracic Mobility Exercises.
8. Huffing and Coughing techniques.
9. Wound-Splinting technique.
10. Bronchodilator therapy in Asthmatics.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Clubbing.
2. METS.
3. Ejection Fraction.
4. Cardiac Tamponade.
5. Spacer.
6. V/Q ratio.
7. Risk factors of Coronary Artery Disease.
8. Dead Space.
9. Murmur.
10. Complications of Suctioning.

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

**[BPT 0423]**

**APRIL 2023  
(FEBRUARY 2023 EXAM SESSION)**

**Sub. Code: 6289**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FOURTH YEAR - (Regulation from 2017-2018 onwards)  
PAPER III – P.T. IN CARDIO-RESPIRATORY CONDITIONS**

*Q.P. Code: 746289*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Define Breathing exercise. Discuss in detail about its advantages and disadvantages.
2. Cardiac rehabilitation.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Pulmonary function test.
2. ACBT.
3. Aerosol therapy.
4. PVD management.
5. Hyperventilation syndrome.
6. Chest physiotherapy.
7. Six minutes walking test.
8. Lung Abscess.
9. Chest Expansion Exercise.
10. Ultrasonic nebuliser.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Active cycle of Breathing.
2. Compliance.
3. Alkalosis.
4. Paradoxical breathing.
5. Dead space.
6. Fibrillation.
7. Raynaud's diseases.
8. Decortication.
9. PEFR.
10. Postural drainage.

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

**[BPT 1123]**

**NOVEMBER 2023  
(AUGUST 2023 EXAM SESSION)**

**Sub. Code: 6289**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FOURTH YEAR - (Regulation from 2017-2018 onwards)  
PAPER III – P.T. IN CARDIO-RESPIRATORY CONDITIONS**

*Q.P. Code: 746289*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss in detail about the PT assessment and PT management for right pneumonectomy.
2. Write in detail about postural drainage and its uses.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Occupational lung diseases.
2. Suction.
3. Muscles of respiration.
4. Bronchopulmonary segments.
5. Ventilator.
6. Percussion management.
7. Relaxation technique.
8. Flutter.
9. Role of Physiotherapy in Atelectasis.
10. Segmenectomy.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Manual Hyper inflation.
2. Buerger's Exercise.
3. Complications of mastectomy.
4. Pink puffers.
5. Pneumoconiosis.
6. Cough mechanism.
7. Mucolytics.
8. Homans sign.
9. Humidifier.
10. Forced Expiratory Technique.

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

**[BPT 0824]**

**AUGUST 2024**

**Sub. Code: 6289**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FOURTH YEAR - (Regulation from 2017-2018 onwards)  
PAPER III – P.T. IN CARDIO-RESPIRATORY CONDITIONS**

***Q.P. Code: 746289***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss about Physiotherapy assessment and management of Chronic Bronchitis.
2. Preoperative and postoperative Physiotherapy management of CABG.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Prevention of deep vein thrombosis.
2. Assessment of vital signs.
3. Incentive spirometry.
4. Ventilation perfusion ratio.
5. Sputum.
6. Postoperative physiotherapy management of hysterectomy.
7. Glosso pharyngeal breathing exercise.
8. Relaxed positions for dyspnea.
9. Complications of suctioning.
10. Modes of mechanical ventilator.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Define angina pectoris.
2. Asbestosis.
3. FITT principle.
4. Humidity.
5. Thrill.
6. Pectus carinatum.
7. Cardiopulmonary resuscitation.
8. Claudication.
9. Flail chest.
10. Indications of aerosol therapy.

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

**[BPT 0225]**

**FEBRUARY 2025**

**Sub. Code: 6289**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FOURTH YEAR - (Regulation from 2017-2018 onwards)  
PAPER III – P.T. IN CARDIO-RESPIRATORY CONDITIONS**

*Q.P. Code: 746289*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss in detail about the PT management for Bronchial Asthma.
2. Discuss in detail about PT management for noncomplicated myocardial infarction.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Atherosclerosis.
2. Breath control.
3. Emphysema.
4. Chest mobility Exercise.
5. Nebulization.
6. Modified postural drainage.
7. Tracheostomy care.
8. Weaning from ventilator.
9. Manual hyperinflation.
10. Pneumothorax.

**III. Short answer on:**

**(10 x 2 = 20)**

1. CPAP.
2. Flail chest.
3. Cough.
4. Diaphragmatic breathing.
5. Six minute walk test.
6. Contra indications of postural drainage.
7. Rotahaler.
8. Thoracotomy.
9. Coarctation of aorta.
10. Suctioning.

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

**[BPT 0825]**

**AUGUST 2025**

**Sub. Code: 6289**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FOURTH YEAR - (Regulation from 2017-2018 onwards)  
PAPER III – P.T. IN CARDIO-RESPIRATORY CONDITIONS**

*Q.P. Code: 746289*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Define Chronic Bronchitis and its causes, clinical features and Physiotherapy Assessment with Management.
2. Discuss in detail about Cardiac Rehabilitation.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Positive Expiratory Pressure.
2. Electrocardiogram and its utility.
3. Auscultation.
4. Relaxed positions for breathlessness patient.
5. Nebulizers.
6. Mastectomy.
7. Factors affecting cough mechanism.
8. Pulmonary Circulation.
9. What is Postural Drainage? List down the indications and contraindications for Postural Drainage.
10. Types of Ventilator.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Plethysmography.
2. Paradoxical breathing.
3. Cough Syncope.
4. Modified Bruce protocol.
5. Physiological Dead space.
6. Clubbing and its grading.
7. Chest wall measurements.
8. Kussmaul's breathing.
9. Borg Scale.
10. Percutaneous Transluminal Coronary Angioplasty.

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

**[BPT 0226]**

**FEBRUARY 2026**

**Sub. Code: 6289**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
FOURTH YEAR - (Regulation from 2017-2018 onwards)  
PAPER III – P.T. IN CARDIO-RESPIRATORY CONDITIONS**

*Q.P. Code: 746289*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss about Physiotherapy assessment and management of Bronchiectasis.
2. Explain the physiotherapy management of ventilator dependent patient.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Pursed lip breathing exercise.
2. Energy conservation techniques.
3. Benefits of cardiac rehabilitation program.
4. Assessment of edema.
5. Postoperative physiotherapy management of cholecystectomy.
6. Lung volumes and capacities.
7. Dyspnea.
8. Modification of risk factors.
9. Diaphragmatic breathing exercise.
10. Physiotherapy management of bronchial asthma.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Pleural effusion.
2. Rate of perceived exertion.
3. Heat moisture exchanger.
4. Wheeze.
5. Pectus excavatum.
6. Tracheostomy.
7. Bradycardia.
8. Breath holding.
9. Uses of ECG.
10. Indications for nebulizer.

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