

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

**[LR 1220]**

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

**Sub. Code: 6286**

**BPT DEGREE EXAMINATION**

**THIRD YEAR**

**(New regulations for the candidates admitted from 2017-2018 onwards)**

**PAPER VI – CLINICAL CARDIO-RESPIRATORY DISEASES**

***Q.P. Code : 746286***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss in detail the Etiology, pathogenesis, clinical features, investigations and management of Chronic bronchitis. Add a note on its complications.
2. Explain in detail the etiology, pathology, clinical features, diagnosis, medical and surgical management of myocardial infarction.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Postural drainage.
2. Pulmonary function test.
3. Infection Endocarditis.
4. Lung compliance.
5. Tetralogy of fallot.
6. Angina pectoris.
7. Hypertension and its management.
8. Decortications.
9. Cardiac arrest.
10. Broncho pleural fistula.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Aspiration pneumonia.
2. Suctioning.
3. Cough reflex.
4. Pulses alternans.
5. Anoxia.
6. Syncope.
7. Patent ductus arteriosus.
8. Clubbing.
9. Respiratory alkalosis.
10. Basic life support.

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

**[BPT 0921]**

**SEPTEMBER 2021  
(FEBRUARY 2021 EXAM SESSION)**

**Sub. Code: 6286**

**BPT DEGREE EXAMINATION  
THIRD YEAR  
(Regulations for the candidates admitted from 2017-2018 onwards)  
PAPER VI – CLINICAL CARDIO-RESPIRATORY DISEASES  
Q.P. Code : 746286**

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on: (2 x 15 = 30)**

1. Describe the etiology, pathophysiology of Rheumatic fever and management.
2. Pulmonary Function test and preoperative assessment for a patient for thoracotomy.

**II. Write notes on: (10 x 5 = 50)**

1. Bronchopulmonary segment and respiratory unit.
2. Lung function test.
3. Electrical activity of Myocardium.
4. Thoracotomy.
5. Expiratory residual volume.
6. Stress test.
7. Cardiomyopathy.
8. Massive hemoptysis.
9. Post surgical physiotherapy for open heart surgery.
10. Defibrillation.

**III. Short answer on: (10 x 2 = 20)**

1. Bradycardia.
2. Asbestosis.
3. Causes for pneumothorax.
4. Ventricular fibrillation.
5. Pump handle movement.
6. Incentive spirometry.
7. Cardio pulmonary resuscitation.
8. Residual volume
9. Acyanotic heart disease.
10. Pulse.

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

**[BPT 0122]**

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

**Sub. Code: 6286**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
THIRD YEAR- (Regulation from 2017-2018 onwards)  
PAPER VI – CLINICAL CARDIO-RESPIRATORY DISEASES  
*Q.P. Code : 746286***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Explain congenital heart disease and write about management of Pulmonary stenosis.
2. Discuss etiology, clinical features, investigations, complications and management of pleural effusion.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Pulmonary circulation.
2. Upper respiratory tract.
3. Myocardial infarction.
4. Interstitial lung disease.
5. Chambers of Heart.
6. Valve replacement.
7. Blood gas analysis and its use.
8. Post surgical physiotherapy for closed heart surgery.
9. Coronary artery disease.
10. Cardiac Bypass graft surgery

**III. Short answer on:**

**(10 x 2 = 20)**

1. Sino atrial node.
2. Vital capacity.
3. Cardiac massage.
4. Tracheostomy.
5. Pulsus alternans.
6. Anoxia.
7. Spontaneous pneumothorax.
8. Dead space.
9. Chronic obstructive pulmonary disease.
10. Cyanosis.

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

**[BPT 0622]**

**JUNE 2022**

**Sub. Code: 6286**

**(FEBRUARY 2022 EXAM SESSION)**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
THIRD YEAR- (Regulation from 2017-2018 onwards)  
PAPER VI – CLINICAL CARDIO-RESPIRATORY DISEASES  
*Q.P. Code : 746286***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss about etiology, clinical features, complication and management of Aortic stenosis.
2. Discuss clinical features, diagnosis, complications and management of Bronchiectasis.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Mechanism of respiration.
2. Cough reflex.
3. Pleural effusion.
4. Blood pressure.
5. Lung abscess.
6. Haemothorax.
7. Pneumonia.
8. Myocarditis.
9. Ventricular septal defect.
10. Post surgical physiotherapy for open heart surgery.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Flial chest.
2. Intercostal drainage.
3. Orthostatic hypotension.
4. Complication of Tracheostomy.
5. Pulsus paradoxicus.
6. Coarctation of Aorta.
7. Occupational lung disease.
8. Electro cardio gram (ECG).
9. Lung contusion.
10. Cardiac Tamponade.

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

**[BPT 1022]**

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

**Sub. Code: 6286**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
THIRD YEAR- (Regulation from 2017-2018 onwards)  
PAPER VI – CLINICAL CARDIO-RESPIRATORY DISEASES  
*Q.P. Code : 746286***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss in detail about the Etiology, clinical features, investigations and management of patients with Infective Endocarditis.
2. Describe the etiology, clinical features and management of Carcinoma Lung.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Empyema thoracis.
2. Pectus carinatum.
3. Complications of thoracotomy.
4. Percutaneous transluminous Coronary angiography.
5. Lung compliance.
6. Arterial blood gas analysis.
7. Cough reflex.
8. Hospital acquired pneumonia.
9. Pace makers for heart block.
10. Pneumoconiosis.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Pulmonary Function Test.
2. Status Asthmaticus.
3. Respiratory Acidosis.
4. Diastolic Blood Pressure.
5. Deep Vein Thrombosis (DVT).
6. Emphysema.
7. Shunt reversal.
8. Functions of lung surfactant.
9. Cardiac Troponins.
10. Defibrillator.

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

**[BPT 0423]**

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

**Sub. Code: 6286**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
THIRD YEAR - (Regulation from 2017-2018 onwards)  
PAPER VI – CLINICAL CARDIO-RESPIRATORY DISEASES**

*Q.P. Code: 746286*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the causes, clinical features, and management of Mitral Valve Stenosis.
2. List the causes and types of Chronic Obstructive Airway Diseases. Describe the clinical features, and management of Chronic Bronchitis.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Principles of cardiovascular stress testing.
2. Variations in heart rate during exercise.
3. Cough reflex.
4. Intercostal drainage.
5. Normal ECG.
6. Tetralogy of Fallot.
7. Flail chest.
8. Ventilation, perfusion and their inter-relationship.
9. CPAP (Continuous Positive Airway Pressure).
10. Heart failure.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Postero lateral thoracotomy.
2. Complications of tracheostomy.
3. Lung Compliance.
4. Indications for Closed Heart surgery.
5. Patent ductus arteriosus.
6. Types of Asthma.
7. Dead space.
8. Massive Haemoptysis.
9. Lung defence mechanism.
10. Intermittent Positive Pressure Breathing.

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

**[BPT 1123]**

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

**Sub. Code: 6286**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
THIRD YEAR - (Regulation from 2017-2018 onwards)  
PAPER VI – CLINICAL CARDIO-RESPIRATORY DISEASES**

*Q.P. Code: 746286*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Define Pleural effusion. Write down the etiology, clinical features, diagnosis and its management.
2. Brief the types, clinical features, investigation, diagnosis and management of Tetralogy of Fallot.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Regulation of Blood Pressure.
2. Coronary circulation.
3. Differentiate between chronic Bronchitis and Emphysema.
4. Heart Lung machine.
5. Clinical features and management of Rheumatic fever.
6. Percutaneous Transluminal Coronary Angioplasty.
7. Aspergilliosis.
8. Hazards of smoking.
9. Aortic stenosis.
10. Bronchopulmonary segments.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Suzman's sign.
2. Eisenmenger's Syndrome.
3. Gibson's murmur.
4. Smoker's Cough.
5. Define cyanosis.
6. Lung contusion.
7. Paradoxical breathing.
8. Causes of lung carcinoma.
9. Define Cardiac output.
10. Pulmonary embolism.

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

**[BPT 0824]**

**AUGUST 2024**

**Sub. Code: 6286**

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION  
THIRD YEAR - (Regulation from 2017-2018 onwards)  
PAPER VI – CLINICAL CARDIO-RESPIRATORY DISEASES**

***Q.P. Code: 746286***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. List the conditions requiring Open Heart Surgery. Briefly describe the etiology, clinical features and management of Ventricular Septal Defect (VSD).
2. Discuss in detail about etiology, clinical features, complication and management of Myocardial Infarction.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Myocarditis.
2. Conductive System of Heart.
3. Cystic fibrosis.
4. Aortic Regurgitation.
5. Pulmonary Tuberculosis.
6. Respiratory Unit.
7. Lobectomy.
8. Fracture rib.
9. Median Sternotomy.
10. Pulmonary circulation.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Syncope.
2. Dead space.
3. Indications for Closed Heart Surgery.
4. Define Pulse.
5. Name the four chest wall deformities.
6. Name the four common cell types of lung cancer.
7. Define Bronchial Asthma.
8. Residual Volume.
9. Clubbing.
10. Hemopneumothorax.

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

**[BPT 0225]**

**FEBRUARY 2025**

**Sub. Code: 6286**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
THIRD YEAR - (Regulation from 2017-2018 onwards)  
PAPER VI – CLINICAL CARDIO-RESPIRATORY DISEASES**

*Q.P. Code: 746286*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the etiology and pathogenesis and clinical features of adult respiratory distress syndrome. Outline the management of adult respiratory distress syndrome.
2. Define infective endocarditis. Write down its Etiology, Pathogenesis, clinical features and its management.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Cardiopulmonary resuscitation.
2. Lobectomy.
3. Arterial blood gas analysis.
4. Pneumoconiosis.
5. Indications for coronary artery bypass surgery.
6. List out the muscles of respiration.
7. Lung compliance.
8. Indications for Percutaneous Transluminal angioplasty.
9. Coarctation of aorta.
10. Myocarditis.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Draw and label a normal ECG tracing.
2. Blood supply of the heart.
3. Pulsus alternans.
4. Postero lateral thoracotomy.
5. Defibrillator.
6. Surfactant.
7. Cardiac index.
8. Bucket handle movement.
9. Cyanosis.
10. Drug used for heart failure.

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

**[BPT 0825]**

**AUGUST 2025**

**Sub. Code: 6286**

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE  
THIRD YEAR - (Regulation from 2017-2018 onwards)  
PAPER VI – CLINICAL CARDIO-RESPIRATORY DISEASES**

***Q.P. Code: 746286***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Define Suction. Discuss in detail the various types of suction and steps involved in it. Add a note on the indications and complications of Suction.
2. Discuss in detail about the etiology, clinical features, investigations, complications and management of Hypertension.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Cardiac arrest.
2. Pre operative assessment for a patient for thoracotomy.
3. Cardiac cycle.
4. Coarctation of aorta.
5. Pulmonary stenosis.
6. Empyema.
7. Pneumonectomy.
8. Lung abscess.
9. Name the chambers and valves of the heart.
10. Chest wall movements.

**III. Short answer on:**

**(10 x 2 = 20)**

1. Surfactant.
2. Causes for pneumothorax.
3. Decortication.
4. Drugs used for Heart failure.
5. Pigeon chest.
6. List four restrictive lung disease.
7. Name four Chronic Obstructive Pulmonary Disease.
8. Grading for dyspnea.
9. List the cardiac conditions required Open Heart Surgery.
10. Define Rheumatic fever.

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