

August 2011

[KZ 6262]

Sub. Code : 6262

BACHELOR OF PHYSIOTHERAPY EXAMINATION

**THIRD YEAR / EIGHTH SEMESTER
P.T. CARDIO RESPIRATORY DISEASES**

Q.P. Code : 746262

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

I. LONG ESSAYS

(2X20=40)

1. Discuss the role of Physiotherapy in Cardiac Rehabilitation.
2. Describe Cough mechanism giving details about various factors affecting the same. Mention the various methods to drain sputum. Discuss in detail any one method when the cough mechanism is impaired.

II. SHORT NOTES

(8X5=40)

1. Humidification.
2. Relaxation exercises.
3. Deep vein thrombosis.
4. Thoracotomy.
5. Pleurisy.
6. Sputum examination.
7. Atelectasis.
8. Intermittent Positive Pressure Breathing.

III. SHORT ANSWERS

(10X2=20)

1. Diaphragm.
2. Heart rate.
3. Pulses alternans.
4. Huff.
5. V/Q ratio.
6. Pulmonary circulation.
7. Sinoatrial node.
8. Electrocardiogram.
9. Atherosclerosis.
10. Percutaneous Transluminal Coronary Angioplasty.

[LA 6262]

February 2012

Sub. Code: 6262

BACHELOR OF PHYSIOTHERAPY EXAMINATION

**THIRD YEAR / EIGHTH SEMESTER
P.T. CARDIO RESPIRATORY DISEASES**

Q.P. Code: 746262

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2X20=40)

1. Discuss the role of Physiotherapy in ICU.
2. Write in detail the preoperative assessment and post operative management for a 35 year old house wife posted for Thoroctomy

II. Write notes on:

(8X5=40)

1. Bronchial Hygiene
2. Glosso Pharyngeal breathing
3. Assessment of Breathing pattern
4. Rate of perceived exertion
5. Oxygen therapy
6. Components of Electro cardiogram
7. Cough reflex
8. Paradoxical breathing

III. Short Answers:

(10X2=20)

1. Active cycle of breathing
2. Emphysema
3. Broncho plural fistula
4. Clubbing
5. Tachycardia
6. Insufflation
7. Respiratory arrest
8. Cardiac cycle
9. Percussion
10. Status asthmaticus

[LB 6262]

AUGUST 2012

Sub. Code: 6262

THIRD YEAR / EIGHTH SEMESTER BPT EXAM

P.T. CARDIO RESPIRATORY DISEASES

Q.P. Code: 746262

Time: Three Hours

Maximum: 100 marks

(180 Min) Answer ALL questions in the same order.

I. Elaborate on:

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|---|----|----|----|
| 1. Write in detail about the pre and post operative physiotherapy management for a 50 years old man posted for CABG, also write about the rehabilitation after the surgery. | 19 | 33 | 20 |
| 2. Illustrate the therapeutic methods used by a physiotherapist to clear thick lung secretions. | 19 | 33 | 20 |

II. Write Notes on:

- | | | | |
|--|---|---|---|
| 1. Stress testing. | 3 | 8 | 5 |
| 2. Chest physiotherapy. | 3 | 8 | 5 |
| 3. Physiotherapy for a patient in ventilator. | 3 | 8 | 5 |
| 4. Physiotherapy treatment after mastectomy. | 3 | 8 | 5 |
| 5. Chest wall excursion evaluation. | 3 | 8 | 5 |
| 6. ADL assessment. | 3 | 8 | 5 |
| 7. Manual hyperinflation. | 3 | 8 | 5 |
| 8. Principles of physiotherapy for a patient in adult ICU. | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|---|---|---|---|
| 1. Modified postural drainage. | 1 | 5 | 2 |
| 2. Lung Volumes. | 1 | 5 | 2 |
| 3. Respiratory muscles. | 1 | 5 | 2 |
| 4. Karvonen's formula. | 1 | 5 | 2 |
| 5. Weaning from ventilator. | 1 | 5 | 2 |
| 6. Pigeon chest. | 1 | 5 | 2 |
| 7. Respiratory unit. | 1 | 5 | 2 |
| 8. Draw & label the Coronary circulation. | 1 | 5 | 2 |
| 9. Bronchopulmonary segments. | 1 | 5 | 2 |
| 10. Diaphragmatic breathing exercise. | 1 | 5 | 2 |

[LC 6262]

FEBRUARY 2013

Sub. Code: 6262

THIRD YEAR / EIGHTH SEMESTER BPT EXAM

P.T. CARDIO RESPIRATORY DISEASES

Q.P. Code: 746262

Time: Three Hours
(180 Min)

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Chart out in detail a Cardiac Rehabilitation program from the hospital phase till the maintenance phase for a 46year old housewife who has undergone a Closed Mitral Valvotomy.
2. Discuss the etiology of Chronic Bronchitis. Create a problem list and a plan of physiotherapy management for the same.

II. Short Notes:

(8 x 5= 40)

1. Classification of Ventilators.
2. Compare Jet and Ultrasonic Nebulisers.
3. Principles of Breathing Exercises.
4. Types of incisions in general surgery.
5. Assessment and treatment of tension Pneumothorax .
6. Oxygen therapy.
7. Atrial Septal Defect.
8. Cardiac Cycle.

III. Short Answers:

(10 x 2= 20)

1. Lung Compliance
2. Respiratory Alkalosis
3. Diagram showing the spirometric recording of Lung Volumes and Capacities.
4. Mitral Regurgitation.
5. Muscles of Inspiration and Expiration.
6. Define Cystic Fibrosis.
7. Types of Humidifiers.
8. Types of Venous Disorders.
9. QRS complex in ECG.
10. Indications for Open heart surgery

[LD 6262]

AUGUST 2013

Sub. Code: 6262

THIRD YEAR / EIGHTH SEMESTER BPT EXAM

P.T. CARDIO RESPIRATORY DISEASES

Q.P. Code : 746262

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Describe Pre and Post Operative PT management of pneumonectomy.
2. Physiotherapeutic Management for bronchial Asthma.

II. Write Notes on:

(8X5=40)

1. Cough Reflex
2. Paradoxical breathing
3. Cardio Pulmonary Resuscitation
4. Varicose Veins
5. Nebulizers
6. Tetralogy of fallot
7. Relaxation position for dyspnea patients
8. Exercise Tolerance Test

III. Short Answers:

(10X2=20)

1. Anti anginal drugs
2. Cardiac Tamponade
3. Six Minute walk test
4. Tracheostomy
5. Broncho pulmonary segments
6. Karvonen's formula
7. Shaking
8. Bronchi-ectasis Sicca
9. CPAP
10. Conducting System of heart

[LE 6262]

FEBRUARY 2014

Sub. Code: 6262

THIRD YEAR / EIGHTH SEMESTER BPT EXAM

P.T. CARDIO RESPIRATORY DISEASES

Q.P. Code : 746262

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Enumerate the role of physiotherapy for a Hypertensive patient?
2. Discuss about facilitating ventilation patterns and breathing strategies?

II. Write Notes on:

(8X5=40)

1. Physiotherapy management following cholecystectomy.
2. Shuttle walk test.
3. Outcomes of Pulmonary Rehabilitation.
4. Suctioning.
5. Peak Expiratory Flow Rate.
6. Metered – Dose Inhaler.
7. Chest Manipulation.
8. Breath sounds.

III. Short Answers:

(10X2=20)

1. Chylothorax.
2. Work of Breathing.
3. Grunting.
4. Spacer.
5. Bifid 'P' wave in ECG.
6. Atelectasis.
7. Angina.
8. Barrel Chest.
9. Mucus.
10. Endotracheal tubes.

[LF 6262]

AUGUST 2014

Sub. Code: 6262

**THIRD YEAR / EIGHTH SEMESTER BPT EXAM
P.T. CARDIO RESPIRATORY CONDITIONS**

Q.P. Code : 746262

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Explain the causes for post operative complications following abdominal surgeries and discuss in detail about the post operative physiotherapy treatment for a 60 year old male who underwent partial gastrectomy until discharge from hospital.
2. Discuss in detail about pulmonary rehabilitation for COPD (Chronic Obstructive Pulmonary Disease) patient.

II. Write Notes on:

(8X5=40)

1. Chest Mobilization exercises
2. Cardio pulmonary stress testing
3. Lung abscess
4. Oxygen Therapy
5. Contraindications of postural drainage
6. Lymphedema
7. Heart failure
8. Mitral Stenosis

III. Short Answer:

(10X2=20)

1. Deep Vein Thrombosis
2. Unstable Angina
3. Complications of patent ductus arteriosus
4. Pulse Oximeter
5. Chyene Stroke Breathing
6. Incentive Spirometry
7. Components of ECG
8. Eissenmengers Syndrome
9. Risk Factor for Ischaemic heart disease
10. Pulmonary Function Tests

[LG 6262]

FEBRUARY 2015

Sub. Code: 6262

**THIRD YEAR / EIGHTH SEMESTER BPT EXAM
P.T. CARDIO RESPIRATORY CONDITIONS**

Q.P. Code : 746262

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Pulmonary rehabilitation. Explain Pulmonary rehabilitation for Bronchial Asthma.
2. Define Myocardial infarction. Explain Physiotherapy assessment and management for MI.

II. Write notes on:

(8 x 5 = 40)

1. Forced expiratory technique(FET)
2. Aim and PT in Restrictive lung disease
3. Weaning from ventilator
4. Six minute distance test
5. ECG and its importance in Physiotherapy
6. Arterial Blood Gas Analysis
7. Co-arctation of Aorta
8. Adjuncts to suctioning

III. Short answers on:

(10 x 2 = 20)

1. Localized basal expansion
2. Aspiration pneumonia
3. Nocturnal Asthma
4. Bronchiectasis sicca
5. Myocardial infarction
6. Ankle-brachial index
7. Blue-bloaters
8. Atelectasis
9. Ambu bag
10. Modified bruce protocol

B.P.T. DEGREE EXAMINATION
THIRD YEAR / EIGHTH SEMESTER
PAPER IV – P.T. CARDIO RESPIRATORY CONDITIONS

Q.P. Code : 746262

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Role of Physiotherapy in Intensive Care Unit.
2. Define Ischemic heart disease and its causes. Explain the Post-Operative Physiotherapy Management for Coronary Artery Bypass Grafting (CABG).

II. Write notes on:

(8 x 5 = 40)

1. Burger's Disease.
2. Ventricular septal defect.
3. Active Cycle of Breathing Technique.
4. Cough reflex.
5. Intercostal drainage.
6. P.T aim in Pneumonia.
7. Deep vein thrombosis and P.T. management.
8. Complication of Pulmonary Surgery.

III. Short Answers on:

(10 x 2 = 20)

1. Cor Pulmonale.
2. Intermittent Claudication.
3. Atrial fibrillation.
4. Paradoxical breathing.
5. Broncho-pleural fistula.
6. Prosthetic valve.
7. Blue-bloaters.
8. Pectus excavatum.
9. FEV₁.
10. Pursed-lip breathing.

[LI 6262]

FEBRUARY 2016

Sub. Code: 6262

**THIRD YEAR / EIGHTH SEMESTER BPT EXAM
PAPER IV - P.T. CARDIO RESPIRATORY CONDITIONS**

Q.P. Code : 746262

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Define Bronchial Asthma and its Causes, Types, Clinical Features and Physiotherapy Assessment with management.
2. Tetralogy of Fallot's and its Post-operative Physiotherapy Management.

II. Write notes on: (8 x 5 = 40)

1. Lung Compliance.
2. Chest X-ray and its importance in Physiotherapy.
3. Aerosol therapy.
4. Cough and huff.
5. Define Cystic Fibrosis and its physiotherapy treatment.
6. Cardiac Tamponade.
7. Vibration and Percussion.
8. Chronic Venous Insufficiency.

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

1. Homan's sign.
2. Cyanosis.
3. Breathing pattern.
4. Raynaud's phenomenon.
5. Pleurisy.
6. Angina pectoris.
7. S2 heart sound.
8. Right Ventricular failure.
9. Rotahaler.
10. v/q Ratio.

[LJ 6262]

AUGUST 2016

Sub. Code: 6262

**THIRD YEAR / EIGHTH SEMESTER BPT EXAM
PAPER IV - P.T. IN CARDIO RESPIRATORY CONDITIONS**

Q.P. Code : 746262

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Discuss in detail about the physiotherapy assessment and management for a 45 year old male diagnosed as Emphysema.
2. Discuss in detail about the role of physiotherapist in Peripheral vascular diseases.

II. Write notes on: (8 x 5 = 40)

1. 6 minutes and 12 minutes walk test.
2. Complications of thoracic surgeries.
3. Principles of Nebulizer therapy.
4. Pulmonary defense mechanism.
5. Merits and demerits of CABG.
6. Physiotherapy for lung abscess.
7. Breath control during functional activities.
8. Importance of pursed lip breathing.

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

1. Pleurectomy
2. Vital capacity
3. Added sounds
4. Biot's breathing
5. Pulsus paradoxus
6. Tactile vocal fremitus
7. Ventricular tachycardia
8. Pulmonary edema
9. Borg scale
10. Spacers

[LK 6262]

FEBRUARY 2017

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

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Elaborate the principles of Cardiac Rehabilitation and its phases.
2. Discuss in detail about the pre operative and post operative management for a 55 year old male posted for right lower Lobectomy.

II. Write notes on: **(8 x 5 = 40)**

1. Dyspnea.
2. Chest pain.
3. Interpretation of ABG findings.
4. Role of spirometry in detecting lung diseases.
5. Positive expiratory pressure devices.
6. Relaxed position for breathlessness.
7. Physiotherapy for Bronchiectasis.
8. Dead space.

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

1. Rib springing.
2. Hyperpnea.
3. Pacing techniques.
4. Intermittent compression therapy.
5. Intercostal drainage.
6. Barrel chest.
7. Diaphragmatic excursion.
8. Bronchopulmonary segments.
9. AMBU bag.
10. Manual hyperinflation.

[LL 6262]

AUGUST 2017

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

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Define Postural drainage. Write down the indications and contraindications of postural drainage. Describe the drainage position of right upper lobe of bronchial tree with suitable diagrams.
2. Describe the pre and post operative management for a 45 years old male patient for right pneumonectomy.

II. Write notes on: **(8 x 5 = 40)**

1. Manual hyperinflation.
2. Bronchopulmonary segments.
3. Relaxed positions for breathlessness patient.
4. AMBU bag.
5. Energy conservation techniques.
6. Electrocardiogram.
7. Thoracotomy.
8. Weaning from ventilators.

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

1. Pink puffers.
2. Pores of Kohn.
3. Draw and label the conducting system of heart.
4. Chest wall measurements.
5. Median sternotomy.
6. Muscles of respiration.
7. Inspiratory reserve volume.
8. Lobectomy.
9. Arterial blood gas analysis.
10. Forced expiration technique.

[LM 6262]

FEBRUARY 2018

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

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Explain in detail the pre-operative and post-operative management for Cholecystectomy.
2. Define Peripheral Vascular disease. Explain in detail physiotherapy assessment and management of peripheral vascular disease.

II. Write notes on: **(8 x 5 = 40)**

1. Mediate percussion.
2. Suctioning.
3. Low level exercise testing.
4. Chest mobility exercises.
5. Heart failure.
6. Glassopharyngeal breathing.
7. Distinguish between coughing and huffing.
8. Continuous Positive Airway Pressure.

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

1. Reynaud's disease.
2. Clubbing.
3. Monitored ambulation.
4. Homan sign.
5. Status asthmaticus.
6. Dead space.
7. Broncho pleural fistula.
8. v/q Ratio.
9. Pulmonary artery pressure.
10. Surfactant.

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

[LN 6262]

AUGUST 2018

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

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Discuss the physiotherapy assessment and management for Ventilator Dependent patients.
2. Explain the physiotherapy management for Bronchiectasis.

II. Write notes on: **(8 x 5 = 40)**

1. Ultrasonic nebulizer.
2. Huffing technique.
3. Flutter.
4. Intermittent compression therapy.
5. Phases of Cardiac Rehabilitation.
6. Modified postural drainage.
7. Angina.
8. Physiotherapy management for Kyphoscoliosis.

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

1. Functional residual capacity.
2. Assessment of sputum.
3. Cyanosis.
4. Le Riche syndrome.
5. Silicosis.
6. Hyperbaric oxygen therapy.
7. Varicose vein.
8. Humidity deficit.
9. Ejection fraction.
10. Prosthetic valves.

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

[LO 6262]

FEBRUARY 2019

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

Maximum: 100 Marks

I. Elaborate on: (2 x 20 = 40)

1. Describe in detail about the indications, contraindications and types of Ventilation. Write in briefly in detail about the weaning from ventilator.
2. Describe the signs and symptoms of COPD. Explain briefly about the assessment and management for a 50 year old COPD patient.

II. Write notes on: (8 x 5 = 40)

1. Incentive Spirometer.
2. Thoracic Mobility Exercise.
3. Autogenic Drainage.
4. Postural Drainage. Its indication and contraindications of Postural Drainage.
5. Lateral Costal Expansion Exercise.
6. Bronchiectasis.
7. Forced expiratory technique.
8. Pulmonary Function Test.

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

1. Dyspnea.
2. Percussion.
3. Vital capacity.
4. Tetralogy of Fallot.
5. Cough Reflex.
6. Lung compliance.
7. Status Asthmaticus.
8. BORG Scale.
9. Pigeon Chest.
10. Lobes of lung with clear diagram.

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

[LP 6262]

AUGUST 2019

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

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Discuss the physiotherapy assessment and management of Bronchial Asthma.
2. Explain the Cardiac Rehabilitation program for Myocardial Infarction.

II. Write notes on: **(8 x 5 = 40)**

1. Positive expiratory pressure therapy.
2. Contraindications of Postural drainage.
3. Deep vein thrombosis.
4. Management of hypertension.
5. Auscultation.
6. Monitoring in intensive care unit.
7. Active cycle of breathing technique.
8. Rate of perceived exertion.

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

1. Compliance.
2. Mediastinum.
3. Ankle brachial index.
4. Tension Pneumothorax.
5. Karvonen's formula.
6. Edema measurement.
7. Heat moist exchanger.
8. Complications of mastectomy.
9. Orthopnea.
10. Barrel chest.

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

[LQ 6262]

FEBRUARY 2020

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

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Discuss the Cardiac Rehabilitation program for 60 years old lady who underwent Coronary Artery Bypass Graft surgery.
2. Explain the Physiotherapy management for Chronic Bronchitis.

II. Write notes on: **(8 x 5 = 40)**

1. Humidifiers.
2. Stages of cough.
3. Synchronised intermittent mandatory ventilation.
4. Buerger's exercise.
5. Pulse oximetry.
6. Incentive spirometry.
7. Dyspnea.
8. Pneumonia.

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

1. Complications of Lobectomy.
2. Paradoxical breathing.
3. Indications of aerosol therapy.
4. Pigeon chest.
5. Baggosis.
6. Define Pulmonary Rehabilitation.
7. Incubator.
8. Segmental expansion exercise.
9. Cardiac cycle.
10. Diaphragm.

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.

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

[BPT 0921]

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

Sub. Code: 6262

**BPT DEGREE EXAMINATION
THIRD YEAR
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. Define Pulmonary Rehabilitation. Explain in detail about the Pulmonary Rehabilitation for a Asthmatic patient.
2. Describe the etiology and clinical features of Mitral Stenosis. Discuss the Physiotherapy Management for a 35 year old male who underwent Mitral Valve Replacement surgery.

II. Write notes on:

(8 x 5 = 40)

1. Varicose Veins.
2. Pulmonary Function Testing.
3. Atrial Septal Defect.
4. Oxygen Therapy.
5. Cough and its stages.
6. Postural Drainage.
7. Angina.
8. Arterial Blood Gas Analysis & its Interpretations.

III. Short answers on:

(10 x 2 = 20)

1. Tracheostomy.
2. Borg's Scale.
3. What is pigeon chest?
4. Dead Space.
5. Paradoxical Breathing.
6. Cor-pulmonale.
7. Percussion & Vibration.
8. Status Asthmaticus.
9. Classification of Congenital Heart Diseases.
10. Blood Pressure.

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

[BPT 0122]

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

Sub. Code: 6262

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
THIRD YEAR**

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. Describe in detail about pulmonary rehabilitation.
2. Discuss the role of physiotherapy in peripheral vascular diseases.

II. Write notes on:

(8 x 5 = 40)

1. Active cycle of breathing.
2. Sputum examination.
3. Types of ventilator.
4. Lung volumes and capacities.
5. Physiotherapy management for post – operative mitral valve replacement.
6. Contra indication for postural drainage.
7. Kyphosis.
8. Hypertension.

III. Short answers on:

(10 x 2 = 20)

1. KARVONEN'S formula.
2. Dead space.
3. Define ECG.
4. Complication of thoracic surgery.
5. Paradoxical breathing.
6. ABG analysis.
7. Haemoptysis.
8. Eisenmenger syndrome.
9. Broncho – pleural fistula.
10. Blue bloater.
