

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 exerction
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

[LH 6262]

AUGUST 2015

Sub. Code: 6262

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 Pnuemothorax.
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.

[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.

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.

August 2011

[KZ 6264]

Sub. Code : 6264

BACHELOR OF PHYSIOTHERAPY EXAMINATION

FOURTH YEAR / SEVENTH SEMESTER

CLINICAL NEUROLOGY / NEUROLOGY FOR PHYSIOTHERAPISTS

Q.P. Code : 746264

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

I. LONG ESSAYS

(2X20=40)

1. Define Neuro Muscular junction. Discuss in detail about the causes, clinical features, Investigation and Treatment of Myasthenia Gravis.
2. Define TONE. Enumerate the difference between Spasticity and Rigidity. Discuss in detail about the assessment, Investigations Management of Spasticity.

II. SHORT NOTES

(8X5=40)

1. Bell's Palsy.
2. Trigeminal Neuralgia.
3. Theories of PAIN.
4. Subarachinoid Hemorrhage.
5. Tuberculous Meningitis – Sequale.
6. Hydrocephalus.
7. Seddon's Classification.
8. Tumors of Spinal Cord.

III. SHORT ANSWERS

(10X2=20)

1. Beever's Sign.
2. C6 Myotome.
3. Gower Sign.
4. Brocas Aphasia.
5. Cross Hemiplegia.
6. High Stepping Gait.
7. Argyl – Robertson pupil.
8. Ulnar Claw Hand.
9. Amyotrophic Lateral Sclerosis.
10. Athetosis.

[LB 6264]

AUGUST 2012

Sub. Code: 6264

FOURTH YEAR / SEVENTH SEMESTER BPT EXAM

CLINICAL NEUROLOGY / NEUROLOGY

FOR PHYSIOTHERAPISTS

Q.P. Code: 746264

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. Discuss the bladder control and the various type of Neurology related bladder dysfunction. | 19 | 33 | 20 |
| 2. Classify and discuss on Hydrocephalus. | 19 | 33 | 20 |

II. Write Notes on:

- | | | | |
|------------------------------|---|---|---|
| 1. Ataxic cerebral palsy. | 3 | 8 | 5 |
| 2. Closed Head Injury. | 3 | 8 | 5 |
| 3. Third ventricle of brain. | 3 | 8 | 5 |
| 4. Memory. | 3 | 8 | 5 |
| 5. Grading of Muscle Power. | 3 | 8 | 5 |
| 6. Dorsal roots. | 3 | 8 | 5 |
| 7. Disc Prolapse. | 3 | 8 | 5 |
| 8. Glioma. | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|--|---|---|---|
| 1. Uppor motor neuron facial weakness. | 1 | 5 | 2 |
| 2. Hemisensory loss. | 1 | 5 | 2 |
| 3. Anosmia. | 1 | 5 | 2 |
| 4. Jaw Jerk. | 1 | 5 | 2 |
| 5. Lacunar Stroke. | 1 | 5 | 2 |
| 6. Dementia. | 1 | 5 | 2 |
| 7. Myotonia. | 1 | 5 | 2 |
| 8. Motor aphasia. | 1 | 5 | 2 |
| 9. Brain stem. | 1 | 5 | 2 |
| 10. Hemianopia. | 1 | 5 | 2 |

[LC 6264]

FEBRUARY 2013

Sub. Code: 6264

**FOURTH YEAR / SEVENTH SEMESTER BPT EXAM
CLINICAL NEUROLOGY / NEUROLOGY FOR
PHYSIOTHERAPISTS**

Q.P. Code: 746264

**Time: Three Hours
(180 Min)**

Maximum: 100 marks

I. Elaborate on:

(2x20=40)

1. Discuss in detail about Tuberculous infection of central nervous system.
2. Discuss in detail about various types of entrapment Neuropathies.

II. Short Notes :

(8x5=40)

1. Lower motor neuron weakness.
2. Waddling gait.
3. Vertigo.
4. Truncal ataxia.
5. Tone.
6. Posture.
7. Ankle Jerk.
8. Referred pain.
9. Ptosis.
10. Saddle anaesthesia.

III. Short Answers

(10x2=20)

1. Nystagmus.
2. Neurogenic claudication.
3. Biceps Jerk.
4. Monoplegia.
5. Dysarthria.
6. Mid brain.
7. Subdural hematoma.
8. Hyperacusis.
9. Horner's syndrome.
10. Rigidity.

[LD 6264]

AUGUST 2013

Sub. Code: 6264

**FOURTH YEAR/SEVENTH SEMESTER BPT EXAM
CLINICAL NEUROLOGY / NEUROLOGY FOR
PHYSIOTHERAPIST**

Q.P. Code : 746264

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Discuss in detail the etiology, clinical features, investigation and management of Duchenne Muscular Dystrophy
2. Discuss in detail the etiology, clinical features, investigation and management of Spastic Cerebral Palsy

II. Write Notes on:

(8X5=40)

1. ADEM
2. Meningitis
3. Diabetic neuropathy
4. Craniovertebral junction anomalies
5. MND and its management.
6. Thoracic outlet syndrome
7. Define pain and its management
8. Dementia and its management

III. Short Answers:

(10X2=20)

1. Ashworth scale of spasticity
2. What is Syringobulbia?
3. Risk factors for stroke
4. CSF changes in GBS.
5. Drugs used in the management of HIV
6. Clinical signs of Hydrocephalus
7. Deformities seen in CP
8. What is Spinal Muscular Atrophy ?
9. Diagnostic tests in the examination of Peripheral nerve disorder
10. Commonly used therapeutic management of tumors

[LE 6264]

FEBRUARY 2014

Sub. Code: 6264

**FOURTH YEAR/SEVENTH SEMESTER BPT EXAM
CLINICAL NEUROLOGY / NEUROLOGY FOR
PHYSIOTHERAPIST**

Q.P. Code : 746264

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Write in detail about causes, types and clinical features of spinal cord injury patient.
2. Explain the causes, clinical features and management of Spina Bifida

II. Write Notes on:

(8X5=40)

1. Communicating Hydrocephalus.
2. Any two secondary complications of Stroke.
3. Athetoid Cerebral Palsy.
4. Hoehn - Yahr classification of disability.
5. Sensory assessment
6. Myeloma.
7. Lumbar Disc Prolapse.
8. Acute Disseminated Encephalomyelitis

III. Short Answers:

(10X2=20)

1. Meryon Sign.
2. Pallidotomy.
3. Gower's sign.
4. CSF Rhinorrhea.
5. Raccoon eyes head injury.
6. Wrist drop deformity.
7. Horner syndrome.
8. Polar brain damage.
9. Grasp Reflex.
10. Flaccid Bladder.

[LF 6264]

AUGUST 2014

Sub. Code: 6264

**FOURTH YEAR/SEVENTH SEMESTER BPT EXAM
CLINICAL NEUROLOGY
Q.P. Code : 746264**

Time: Three Hours

Maximum: 100 marks

I. Elaborate on: (2X20=40)

1. Discuss in detail about types, clinical features and management of Cerebral palsy.
2. Explain the causes, clinical features and management of Hydrocephalus.

II. Write Notes on: (8X5=40)

1. Pathophysiology of Parkinson diseases.
2. Myelomeningocele.
3. Speech and language disorders in stroke.
4. Indirect complications of Spinal cord Injury.
5. Dementia.
6. Any two types of muscular dystrophy.
7. Cervical Disc Prolapse.
8. Metastatic Tumour.

III. Short Answer: (10X2=20)

1. Lhermittes' Sign.
2. Transient Ischemic Attack.
3. Define multiple sclerosis.
4. Associated Reactions.
5. Heterotopic Ossifications.
6. Claw hand deformity.
7. Straight Leg Raise Test.
8. Muscle Tone.
9. Asymmetric Tonic Neck Reflex.
10. Reflex Bladder.

[LG 6264]

FEBRUARY 2015

Sub. Code: 6264

**FOURTH YEAR/SEVENTH SEMESTER BPT EXAM
CLINICAL NEUROLOGY**

Q.P. Code : 746264

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe epilepsy. Classify epilepsy, describe the pathology, pathogenesis clinical features and management of epilepsy.
2. Describe in detail the aetiology, pathogenesis, clinical features and management of Multiple sclerosis.

II. Write notes on:

(8 x 5 = 40)

1. Upper limb tension test
2. Rigidity
3. Involuntary movements
4. Median nerve injury
5. Disorders of gait
6. HIV infection of the brain
7. Brown - Sequard syndrome
8. Syringomyelia

III. Short answers on:

(10 x 2 = 20)

1. Glasgow coma scale
2. Dysmetria
3. Bells phenomenon
4. Claude syndrome
5. Transient Ischemic Attack
6. Dysesthesia
7. Charcot's triad
8. Anterior cord syndrome
9. Jacksonian seizures
10. Battle's sign

[LH 6264]

AUGUST 2015

Sub. Code: 6264

B.P.T. DEGREE EXAMINATION
FOURTH YEAR
PAPER I - CLINICAL NEUROLOGY

Q.P. Code: 746264

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail the aetiology, clinical features, pathology, pathogenesis and management of Parkinson's disease.
2. Classify Muscular dystrophy. Describe in detail the aetiology, clinical features and management of Duchenne Muscular dystrophy.

II. Write notes on:

(8 x 5 = 40)

1. Neurosyphilis.
2. Neurogenic bladder.
3. Blood supply of the brain.
4. Diagnostic criteria for GBS.
5. Diabetic neuropathy.
6. Acute disseminated encephalomyelitis.
7. Spinal Aracnoiditis.
8. Arnold - chiari malformation.

III. Short Answers on:

(10 x 2 = 20)

1. Osseman's classification.
2. Chaddock's sign.
3. Kernig's sign.
4. Apraxia.
5. Cerebellar gait.
6. Ramiste's phenomenon.
7. Inverted radial reflex.
8. Spasticity.
9. Platybasia.
10. Myoclonus.

[LI 6264]

FEBRUARY 2016

Sub. Code: 6264

**FOURTH YEAR BPT EXAMINATION
PAPER I - CLINICAL NEUROLOGY**

Q.P. Code : 746264

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the definition, pathogenesis, pathophysiology, clinical manifestation, laboratory investigation and treatment of Guillan Barre Syndrome.
2. Draw a cross section of the spinal cord. Describe the clinical features of D10 level spinal cord lesion. List the secondary complications that can occur in this patient.

II. Write notes on:

(8 x 5 = 40)

1. Cervical disc prolapse.
2. Carpal Tunnel syndrome.
3. Status epilepticus.
4. Festinant gait.
5. Babinski's Sign.
6. CSF in pyogenic meningites.
7. Ataxia.
8. Arnold - Chiari malformation.

III. Short answers on:

(10 x 2 = 20)

1. Gower's sign.
2. Ataxia.
3. Extra ocular muscles of the eye.
4. Anal reflex.
5. Kernig's sign.
6. Rigidity.
7. Ptosis.
8. Motor supply of Median Nerve.
9. Moro's reflex.
10. Grading of muscle power.

[LJ 6264]

AUGUST 2016

Sub. Code: 6264

**FOURTH YEAR BPT EXAMINATION
PAPER I - CLINICAL NEUROLOGY**

Q.P. Code : 746264

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in details the etiology, clinical features, investigations and management of Myasthenia gravis.
2. Discuss in details the etiology, clinical features, investigations and management of Cervical Spondylosis.

II. Write notes on:

(8 x 5 = 40)

1. Complex partial seizures
2. Basilar artery occlusion
3. Sciatica
4. Spinal epidural abscess
5. Vasculitic neuropathy
6. Thyrotoxic periodic paralysis
7. Jacksonian Seizure
8. Thalamic hemorrhage

III. Short answers on:

(10 x 2 = 20)

1. Leriche syndrome
2. Frontal lobe syndrome
3. Foot drop
4. Wernicke's Aphasia
5. Stamping gait
6. Normal pressure hydrocephalus
7. Syringomyelia
8. Cerebral aneurysm
9. Becker type muscular dystrophy
10. Lumbar disc prolapse

[LK 6264]

FEBRUARY 2017

Sub. Code: 6264

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER I - CLINICAL NEUROLOGY**

Q.P. Code : 746264

Time: Three hours

Maximum: 100 Marks

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

1. Describe the causes, clinical features and management of Spina Bifida.
2. Discuss in detail the etiology, clinical features, investigation and management of Duchenne Muscular Dystrophy.

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

1. Charcot's joints.
2. Meralgia parasthetica.
3. Bell's Palsy.
4. Waddling gait.
5. Myelomeningocele.
6. Median nerve injury.
7. Glioma.
8. CSF in TB meningitis.

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

1. Conus medullaris.
2. Dermatomes of upper limb.
3. Neural pathway of knee jerk.
4. Scissoring gait.
5. Beever's sign.
6. High stepping gait.
7. Horner's syndrome.
8. Risk factors for stroke.
9. Ulnar claw hand.
10. Lower motor neuron lesion.

[LL 6264]

AUGUST 2017

Sub. Code: 6264

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER I - CLINICAL NEUROLOGY**

Q.P. Code : 746264

Time: Three hours

Maximum: 100 Marks

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

1. Discuss in detail about Lateral Medullary Syndrome (Ischemic brainstem stroke).
2. Discuss in detail about Spinal Muscular Atrophy (SMA).

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

1. Fronto temporal dementia.
2. Extramedullary cord compression.
3. Gangliocapsular hemorrhage.
4. Ataxia telangiectasia.
5. Autism.
6. Optic neuritis.
7. Waddling gait.
8. Scanning speech.

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

1. Blink reflex.
2. Broca's aphasia.
3. IIIrd cranial nerve palsy.
4. Intercostal neuralgia.
5. TICS.
6. Carcinomatous meningitis.
7. Carotid dissection.
8. Central pontine myelinolysis.
9. Chorea gravidarum.
10. Claw foot.

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

[LM 6264]

FEBRUARY 2018

Sub. Code: 6264

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER I - CLINICAL NEUROLOGY**

Q.P. Code : 746264

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Motor Neuron disease. Discuss in detail about Amyotrophic Lateral Sclerosis (ALS).
2. Discuss in detail about transverse Myelitis.

II. Write notes on:

(8 x 5 = 40)

1. Diabetic neuropathy.
2. Dysarthria.
3. Hydrocephalus.
4. Cervical whiplash injury.
5. Cauda equina syndrome.
6. Myoclonus.
7. Pons.
8. Facial diplegia.

III. Short answers on:

(10 x 2 = 20)

1. Hypoglossal nerve.
2. Festinating gait.
3. High altitude (Mountain) sickness.
4. Bradykinesia.
5. Crossed hemiplegia.
6. Post herpetic neuralgia.
7. Sensory ataxia.
8. Spinal arachnoiditis.
9. Internuclear ophthalmoplegia.
10. Epileptic cry.

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

[LN 6264]

AUGUST 2018

Sub. Code: 6264

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER I - CLINICAL NEUROLOGY**

Q.P. Code : 746264

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Epilepsy and explain in detail about classification, patho physiology, clinical features and management of Epilepsy.
2. Explain in detail about the aetiology, pathology, investigations, clinical features and management of Parkinson's disease.

II. Write notes on:

(8 x 5 = 40)

1. Spasticity.
2. Brudzinski's sign.
3. Hydrocephalus.
4. Waddling Gait.
5. Median Nerve Injury.
6. Basal Ganglion.
7. Encephalitis.
8. Pyramidal Tract.

III. Short answers on:

(10 x 2 = 20)

1. Beever's Sign.
2. Chaddock's Sign.
3. Bell's Phenomenon.
4. Battle's Sign.
5. Moro's Reflex.
6. Neuro Transmitter.
7. Composition of CSF.
8. Myasthenic Crisis.
9. Tremor.
10. Becker Muscular dystrophy.

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

[LO 6264]

FEBRUARY 2019

Sub. Code: 6264

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER I - CLINICAL NEUROLOGY**

Q.P. Code : 746264

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about causes, types, patho physiology, clinical features and management of Cerebral palsy.
2. Define Neuro Muscular Junction. Explain in detail about the aetiology, pathology, investigations, clinical features and management Myasthenia Gravis.

II. Write notes on:

(8 x 5 = 40)

1. Myelomeningocele.
2. Tumours of Spinal Cord.
3. Bell's Palsy.
4. Patho physiology of Stroke.
5. Syphilitic Myelopathy.
6. Dorsal Roots.
7. Motor Neuron diseases.
8. Polymyositis.

III. Short answers on:

(10 x 2 = 20)

1. Lumbar Puncture.
2. Wrist Drop.
3. Grasp Reflex.
4. Anti epileptic drugs.
5. Anal Reflex.
6. Conus Medullaris.
7. Define Transverse myelitis.
8. Saltatory conduction.
9. Hemianopia.
10. Jendrassik maneuver.

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

[LP 6264]

AUGUST 2019

Sub. Code: 6264

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER I - CLINICAL NEUROLOGY**

Q.P. Code : 746264

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the etiology, clinical features, investigations and management of Duchene muscular dystrophy.
2. Draw a cross section of Spinal Cord. Describe the clinical features of D10 level spinal cord lesion. List the secondary complications.

II. Write notes on:

(8 x 5 = 40)

1. Ptosis.
2. Moro Refles.
3. Spincocerebellar Ataxia.
4. Encephalitis.
5. Risk factors for Stroke.
6. Cauda Equina syndrome.
7. Motor neuron diseases.
8. Speech Disorders.

III. Short answers on:

(10 x 2 = 20)

1. Festinating Gait.
2. Spasticity.
3. Plantar reflex.
4. Dysarthria.
5. Assessment of Muscle Tone.
6. Deformities of Cerebral palsy.
7. Horners Syndrome.
8. Perypheral Vertigo.
9. CSF fluid.
10. Bell's palsy.

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

[LQ 6264]

FEBRUARY 2020

Sub. Code: 6264

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER I - CLINICAL NEUROLOGY**

Q.P. Code : 746264

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the definition, patho physiology, clinical manifestation and management of Multiple Sclerosis.
2. Explain in detail about the aetiology, types, pathology, investigations, clinical features and management of Traumatic Brain Injury.

II. Write notes on:

(8 x 5 = 40)

1. Emery – Dreifuss Muscular Dystrophy.
2. Visual Field Defects.
3. Entrapment Neuropathy.
4. Micturition reflex.
5. Truncal ataxia.
6. Tuberculous meningitis – sequela.
7. Opisthotonus posture.
8. Seddon's classification.

III. Short answers on:

(10 x 2 = 20)

1. Froin's syndrome.
2. Glassgow comas scale.
3. Weber's test.
4. Gag reflex.
5. Spina bifida occulta.
6. Dysmetria.
7. Jacksonian seizures.
8. Taste Sensation.
9. Charcot's triad.
10. Romberg's test.

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

[LR 6264]

DECEMBER 2020
(AUGUST 2020 EXAM SESSION)

Sub. Code: 6264

BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER I - CLINICAL NEUROLOGY
Q.P. Code : 746264

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the etiology, pathogenesis, clinical features, investigations and management of Multiple Sclerosis.
2. Discuss about the Bladder control and various types of neurology related Bladder dysfunction.

II. Write notes on:

(8 x 5 = 40)

1. Glioma.
2. Glabellar sign.
3. Myoneural junction.
4. Hoehn-Yahr classification.
5. Arnold Chiari Malformation.
6. Median nerve injury.
7. Pathophysiology of Stroke.
8. Cauda equina syndrome.

III. Short answers on:

(10 x 2 = 20)

1. Sensory Ataxia.
2. Brudzinski Sign.
3. Internuclear Ophthalmoplegia.
4. Raimiste's Phenomenon.
5. Platybasia.
6. Deformities of knee anterior poliomyelitis.
7. Raccoon eyes head injury.
8. Gowers sign.
9. Nystagmus.
10. Neurotransmitters.

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

[BPT 0921]

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

Sub. Code: 6264

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER I - CLINICAL NEUROLOGY
*Q.P. Code : 746264***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the clinical features of C5-C6 level spinal cord lesion. List the secondary complications that can occur in this patient.
2. Discuss in details the etiology, clinical features, investigations and management of Myasthenia gravis.

II. Write notes on:

(8 x 5 = 40)

1. Involuntary movements.
2. Brown – Sequard syndrome.
3. Diabetic neuropathy.
4. Associated Reactions.
5. Visual pathway.
6. Ulnar Claw Hand.
7. Craniovertebral junction anomalies.
8. Spinal Muscular Atrophy.

III. Short answers on:

(10 x 2 = 20)

1. Beever's Sign.
2. Biceps jerk.
3. Risk factors for stroke.
4. Motor Unit.
5. Grasp Reflex.
6. High Stepping Gait.
7. Frontal lobe syndrome.
8. Sciatica.
9. Spasticity.
10. Fasciculations.

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

[BPT 0122]

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

Sub. Code: 6264

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
PAPER I - CLINICAL NEUROLOGY
*Q.P. Code : 746264***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Neuro Muscular Junction. Discuss in detail about causes, clinical features, investigation and Treatment of Myasthenia gravis.
2. Define TONE. Enumerate the difference between spasticity and rigidity. Discuss in detail about the assessment, investigation, management of spasticity.

II. Write notes on:

(8 x 5 = 40)

1. Beckers muscular dystrophy.
2. Theories of pain.
3. Subarachnoid haemorrhage.
4. Hydrocephalus.
5. Seddons classification.
6. Tumors of spinal cord.
7. Moros reflex.
8. Composition of CSF.

III. Short answers on:

(10 x 2 = 20)

1. Tremors.
2. Anterior spinal artery syndrome.
3. High stepping gait.
4. Name some demyelinating diseases.
5. Kernig's sign.
6. Cerebral diplegia.
7. Gait in Parkinson's disease.
8. Partial seizure.
9. Myasthenia crisis.
10. Superficial reflex.

August 2011

[KZ 6265]

Sub. Code : 6265

BACHELOR OF PHYSIOTHERAPY EXAMINATION

**FOURTH YEAR / EIGHTH SEMESTER
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. LONG ESSAYS

(2X20=40)

1. Discuss in detail about Physiotherapy Assessment and Management of Poliomyelitis at residual stage.
2. Discuss in detail about Physiotherapy Assessment and Management of Right Hemiplegia at spastic stage.

II. SHORT NOTES

(8X5=40)

1. Management of Bell's palsy.
2. Motor reeducation.
3. Frenkel's exercises.
4. TENS for Chronic pain.
5. Assessment of Righting reflexes.
6. Assessment of 7th cranial nerve.
7. Functional balance grading.
8. Functional areas of the cerebral cortex.

III. SHORT ANSWERS

(10X2=20)

1. Neuron.
2. Abdominal reflex.
3. Jaw jerk.
4. Jendrassik maneuver.
5. Rhythmical stabilization.
6. Myofascial release.
7. Reflex sympathetic dystrophy.
8. Function of pyramidal tract.
9. Saltatory conduction.
10. Test for Nystagmus.

February 2012

[LA 6265]

Sub. Code: 6265

**BACHELOR OF PHYSIOTHERAPY EXAMINATION
FOURTH YEAR / EIGHTH SEMESTER
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on: (2X20=40)

1. Classify Cerebral palsy. Write in detail the evaluation and treatment of 7 years old boy with Spastic Diplegic Cerebral palsy?
2. Assessment and Management of 32 years old male with T10 Complete Spinal cord injury?

II. Write notes on: (8X5=40)

1. Peripheral neuropathy.
2. Bladder re-training.
3. Mini mental status examination.
4. Movement disorders associated with Basal ganglia disease.
5. Assessment of voluntary muscle action.
6. Brunnstrom Recovery stages of stroke.
7. De-cerebrate posturing.
8. Bobath Concept.

III. Short Answers: (10X2=20)

1. Four factors essential for motor learning.
2. Rood's approach.
3. Home exercises for Parkinson's disease.
4. Neonatal reflexes.
5. Abnormal gaits.
6. Hold relax technique.
7. Ankle foot orthosis.
8. Developmental milestone from 8 months to 18 months.
9. Pyramidal lesion.
10. Duchenne muscular dystrophy.

[LB 6265]

AUGUST 2012

Sub. Code: 6265

FOURTH YEAR / EIGHTH SEMESTER BPT EXAM

PAPER II – P.T. IN NEUROLOGY

Q.P. Code : 746265

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. Describe in detail the evaluation, Physiotherapy Management and Home Exercise Program for a retired 65 years old male with PARKINSON'S DISEASE? | 19 | 33 | 20 |
| 2. Write in detail the General Principles of management of Spasticity? | 19 | 33 | 20 |

II. Write Notes on:

- | | | | |
|--|---|---|---|
| 1. Prescription of wheel chair. | 3 | 8 | 5 |
| 2. Normal postural control mechanism. | 3 | 8 | 5 |
| 3. Assessment of Muscle tone. | 3 | 8 | 5 |
| 4. Median nerve palsy. | 3 | 8 | 5 |
| 5. Bladder function in Multiple sclerosis. | 3 | 8 | 5 |
| 6. Transfer techniques in paraplegics. | 3 | 8 | 5 |
| 7. Waddling gait. | 3 | 8 | 5 |
| 8. Spastic Diplegia. | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|---|---|---|---|
| 1. Treatment strategies for patients with language dysfunction. | 1 | 5 | 2 |
| 2. Chorea and Athetosis. | 1 | 5 | 2 |
| 3. Neuro-developmental technique. | 1 | 5 | 2 |
| 4. Extra pyramidal lesion. | 1 | 5 | 2 |
| 5. Spinal braces. | 1 | 5 | 2 |
| 6. Trigeminal neuralgia. | 1 | 5 | 2 |
| 7. Neuromuscular stimulation. | 1 | 5 | 2 |
| 8. Proprioception. | 1 | 5 | 2 |
| 9. Brainstem stroke. | 1 | 5 | 2 |
| 10. Pain Assessment. | 1 | 5 | 2 |

[LC 6265]

FEBRUARY 2013

Sub. Code: 6265

FOURTH YEAR BPT EXAM / EIGHTH SEMESTER

PAPER II – P.T. IN NEUROLOGY

Q.P. Code: 746265

**Time: Three Hours
(180 Min)**

Maximum: 100 marks

I. Elaborate on: (2X20=40)

1. Discuss in detail about Physiotherapy Assessment & Management of Duchene Muscular Dystrophy at Chair-bound stage.
2. Discuss in detail about Physiotherapy Assessment & Management of Guillian Barrie syndrome at Recovery state.

II. Write Notes on: (8X5=40)

1. Assessment of 5th cranial nerve.
2. Motor Reeducation.
3. TENS for Chronic pain.
4. Management of Spasticity.
5. Prevention of Common Lower extremity deformities of Poliomyelities.
6. Upper extremity Proprioceptive Neuromuscular Facilitation patterns.
7. Theories of motor control.
8. Manual muscle testing.

III. Short Answers: (10X2=20)

1. Function of cerebellum.
2. Stereognosis test.
3. Finger nose test.
4. Umn Syndrome.
5. Knee jerk.
6. Waddling gait.
7. Orthostatic hypotension.
8. Symmetrical tonic neck reflex.
9. Ober's test.
10. Conjugate gaze eye movement.

[LD 6265]

AUGUST 2013

Sub. Code: 6265

FOURTH YEAR / EIGHTH SEMESTER BPT EXAM

PAPER II – P.T. IN NEUROLOGY

Q.P. Code : 746265

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Write in detail Physiotherapy assessment and management for T10 traumatic Spinal Cord injury patient in rehabilitation centre.
2. Discuss in detail about the causes, types assessment and management of five year old spastic diplegic Cerebral palsy child.

II. Write Notes on:

(8X5=40)

1. Cerebellar ataxia
2. Glasgow coma scale
3. Hydrocephalus
4. Klumpke's palsy
5. Myasthenia gravis
6. Cardinal feature of PD
7. Shoulder hand syndrome
8. SOMI brace.

III. Short Answers:

(10X2=20)

1. STREAM
2. Reflex
3. Equilibrium reaction
4. Souques phenomom
5. Penumbra
6. Horonor's syndrome
7. Global aphasia
8. Pallidotomy
9. ADL
10. Dysphagia.

[LE 6265]

FEBRUARY 2014

Sub. Code: 6265

FOURTH YEAR / EIGHTH SEMESTER BPT EXAM

PAPER II – P.T. IN NEUROLOGY

Q.P. Code : 746265

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Discuss Neonatal reflexes and mention the normal milestone. Discuss as a Physiotherapist how you would train neck control in a two year old spastic cerebral palsy child
2. List out the causes for peripheral nerve lesions, Seddon's classification. Outline the PT Management for Erb's palsy since birth.

II. Write Notes on:

(8X5=40)

1. Multiple Sclerosis.
2. Sensory Assessment.
3. Functional Independence.
4. Mat exercise programme to a stroke affected patient.
5. Exercise Tolerance.
6. Types of wheel chairs and modifications.
7. Transient ischaemic attack.
8. Co-ordination and precision in Parkinsonism.

III. Short Answers:

(10X2=20)

1. Causalgia.
2. Tendon reflexes.
3. Dyssynergia.
4. Facilitation Techniques.
5. Glasgow's Coma scale.
6. Genetic Counseling.
7. Biofeedback.
8. Double Incontinence.
9. Nerve conduction study.
10. Cauda equina lesion.

[LF 6265]

AUGUST 2014

Sub. Code: 6265

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Describe the principles of PNF. Explain in detail about the various PNF Patterns and the techniques of PNF.
2. Describe in detail the assessment and management of a 25 year with Multiple Sclerosis.

II. Write Notes on:

(8X5=40)

1. Autonomic Dysreflexia
2. Blood supply of the brain
3. Spastic bladder
4. Ambulatory aids in neurological rehabilitation
5. Muscle re-education
6. Coordination assessment
7. History taking
8. Tests for Vertebro-basilar insufficiency

III. Short Answer:

(10X2=20)

1. Apraxia
2. Froment's test
3. Beevor's axiom
4. Souques phenomenon
5. Orthosis in Median nerve injury
6. Miller-fisher Syndrome
7. Lucid interval
8. Inverted radial reflex
9. Signs in Parkinson's disease
10. Gerstmann syndrome

[LG 6265]

FEBRUARY 2015

Sub. Code: 6265

**FOURTH YEAR/EIGHTH SEMESTER BPT EXAM
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Draw the fascial nerve. What are the Physiotherapy assessment and management of Bell's Palsy?
2. Write on assessment of pain and which modalities suitable for reduce the neurogenic pain?

II. Write notes on:

(8 x 5 = 40)

1. Spinal muscular atrophy
2. Assessment of sensory system
3. Motor cortex
4. Neuro developmental treatment(NDT)
5. Gait training for parkinsonism
6. Modified asworth scale
7. Position of acute right hemiplegic patient
8. Physiotherapy for head injury

III. Short answers on:

(10 x 2 = 20)

1. Hetrotopic ossification
2. Dorsal column syndrome
3. Micrographia
4. Ataxia
5. List out the brain tumour
6. Dyskinesia
7. Finger agnosia
8. Open loop motor control system
9. Circumduction gait
10. Name two neuro transmitters

[LH 6265]

AUGUST 2015

Sub. Code: 6265

**B.P.T. DEGREE EXAMINATION
FOURTH YEAR
PAPER II - P.T. IN NEUROLOGY**

Q.P. Code: 746265

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Principles and theories of motor control and learning.
2. Write on assessment and Physiotherapy Management of Myasthenia Gravis.

II. Write notes on:

(8 x 5 = 40)

1. P.T. Management of motor neuron disease.
2. Low back pain syndrome.
3. Progressive bulbar palsy.
4. Functional Training in bladder dysfunction.
5. Physiotherapy for Spina Bifida.
6. Sensory re-education.
7. P.T management of Cerebellar lesions.
8. P.T management of Erbs palsy.

III. Short Answers on:

(10 x 2 = 20)

1. Thalamic pain syndrome.
2. Reflex inhibiting postures.
3. Charcot's joint.
4. Definition of Multiple sclerosis.
5. Causes of coma.
6. Essential components of Proprioceptive neuro muscular facilitation.
7. Chest wall stretching.
8. Rhythmic initiation.
9. Definition of parkinsonism.
10. Motor aphasia.

[LI 6265]

FEBRUARY 2016

Sub. Code: 6265

**FOURTH YEAR BPT EXAMINATION
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about the clinical features and physiotherapy management for muscular dystrophy.
2. Discuss in detail about Assessment and Physiotherapy management with Head injury patient.

II. Write notes on:

(8 x 5 = 40)

1. Treatment modalities of pain relief.
2. Guillain-Barre syndrome.
3. Monoplegia.
4. Balance Assessment.
5. Bed rest complications and its management.
6. Stretching.
7. Causalgia and its management.
8. Types of aphasia.

III. Short answers on:

(10 x 2 = 20)

1. Claw hand
2. Speech disorders
3. Spider splint
4. Alzheimer's disease
5. Charcot joint
6. Down's syndrome
7. Meningioma
8. Refsum's disease
9. Wilson's disease
10. Syringomyelia

[LJ 6265]

AUGUST 2016

Sub. Code: 6265

**FOURTH YEAR BPT EXAMINATION
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. How do you assess and explain the Neurotherapeutic approach for a patient with Right sided Hemiplegia.
2. Explain the clinical features and physiotherapy management of Parkinsonism patient.

II. Write notes on:

(8 x 5 = 40)

1. Core strengthening programme for low back pain.
2. Abnormal gaits.
3. Physiotherapy management for muscular dystrophy.
4. Mat activities in paraplegia.
5. Assessment of 7th and 8th cranial nerve palsy.
6. Deformities in cerebral palsy.
7. Management of pressure sores.
8. Assessment and management of radial nerve injury.

III. Short answers on:

(10 x 2 = 20)

1. Assessment of limb length
2. Sensitivity
3. LMN lesion
4. Reflexes
5. Tilt board
6. PNF technique
7. Tabes dorsalis
8. Synapse
9. Viral meningitis
10. Gullian Barre syndrome

[LK 6265]

FEBRUARY 2017

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about physiotherapy assessment, management and rehabilitation aspects of Paraplegic patient.
2. Define Pain and theories of Pain. Explain the Assessment and physiotherapy management for different types of Pain.

II. Write notes on:

(8 x 5 = 40)

1. Gait training in Parkinsonism.
2. Shoulder hand syndrome in stroke.
3. Rood approach.
4. Physiotherapy management for low back pain.
5. Physiotherapy management for brachial neuralgia.
6. Proprioceptive training program.
7. Motor relearning.
8. Clinical features assessment and management of Poliomyelitis.

III. Short answers on:

(10 x 2 = 20)

1. Myasthenia Gravis.
2. UMN lesion.
3. 7th cranial nerve palsy.
4. Bladder dysfunction.
5. Transverse myelitis.
6. Hydrocephalus.
7. Erb's palsy.
8. Neurotransmitters.
9. Assessment of tone.
10. Moro reflex.

[LL 6265]

AUGUST 2017

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the physiotherapy assessment and management of twenty five year old age T₁₀ complete Spinal Cord injury patient in Rehabilitation setup.
2. Write detail physiotherapy assessment and management of a patient with second degree ulnar nerve injury at medial epicondyle level.

II. Write notes on:

(8 x 5 = 40)

1. Management of shoulder hand syndrome.
2. Home exercise program for Parkinson's disease.
3. Management of balance dysfunction.
4. Brunnstrom stages of stroke recovery.
5. Guillian Barre syndrome.
6. Associated reactions.
7. Any two Neo Natal Reflexes.
8. Modified ash worth scale.

III. Short answers on:

(10 x 2 = 20)

1. Orthostatic Hypotension.
2. Hypokinetic Dysarthria.
3. Bradykinesia.
4. CSF Rhinorrhea.
5. Multiple sclerosis.
6. Muscle tone.
7. Vestibular ball.
8. Meryon sign.
9. Brachial neuralgia.
10. Ideomotor Apraxia.

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

[LM 6265]

FEBRUARY 2018

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Spasticity. Explain in detail the assessment and physiotherapy management for spasticity.
2. Write down the assessment and physiotherapy management of a paraplegic male patient aged 25 years old who is in a Rehabilitation centre.

II. Write notes on:

(8 x 5 = 40)

1. Walking aids.
2. Techniques of carrying cerebral palsy children's.
3. Bell's palsy and its management.
4. Foot drop gait.
5. Grading of muscle power.
6. APGAR scoring method.
7. P.T. management in acute stage of head injury.
8. P.T. management in cauda equina lesions.

III. Short answers on:

(10 x 2 = 20)

1. Stages of muscular dystrophy.
2. Tourniquet's palsy.
3. Tarsal tunnel syndrome.
4. Syringomyelia.
5. Splints used in upper limb.
6. Roods approach.
7. Immobilization and its complication.
8. Electro Myography (EMG).
9. Proprioceptive Neuro Muscular Facilitation (P.N.F).
10. Reflex testing.

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

[LN 6265]

AUGUST 2018

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Cerebral palsy, Write detail physiotherapy assessment and management of five year old boy with spastic diplegia.
2. Write detail physiotherapy assessment and management of wheel chair bound Duchenne Muscular Dystrophy patient.

II. Write notes on:

(8 x 5 = 40)

1. Bladder and bowel management of spinal cord injury patient.
2. Postural assessment of Parkinson's patients.
3. Glasgow Coma Scale.
4. Assessment of Balance dysfunction.
5. Therapeutic Ball in Rehabilitation.
6. Bell's palsy.
7. Reflex sympathetic dystrophy.
8. Cervical disc lesion.

III. Short answers on:

(10 x 2 = 20)

1. Transient Ischaemic Attack.
2. Nerve Conduction Velocity Studies.
3. Grasp Reflex.
4. Complications following spinal cord injury.
5. Hold relax technique.
6. Sialorrhea.
7. Hemineglect.
8. Obstructive Hydrocephalus.
9. Free exercises.
10. Lhermitte's Sign.

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

[LO 6265]

FEBRUARY 2019

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Parkinson's disease. Write in detail about physiotherapy assessment and management of 60 year old male with Parkinson's disease.
2. Describe assessment and management of Poliomyelitis in residual paralysis stage.

II. Write notes on:

(8 x 5 = 40)

1. Theories of Motor control.
2. Mat exercises.
3. Brunstrom approach.
4. Classification of Peripheral nerve injury.
5. Classification of Cerebral palsy.
6. PT management of sensory Ataxia.
7. Clinical features of Spinal cord injury.
8. Balance assessment.

III. Short answers on:

(10 x 2 = 20)

1. Berg balance test.
2. Locked in syndrome.
3. Crossed anaesthesia.
4. Somatognosia.
5. Stupor.
6. Gag reflex.
7. Slow reversal.
8. Sacral sparing.
9. Cock up slint.
10. Orthostatic hypotension.

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

[LP 6265]

AUGUST 2019

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain Synergy Pattern? Discuss in detail about the rehabilitation phase physiotherapy management of patient with middle Cerebral Artery syndrome.
2. Physiotherapy assessment and management of Guillian Barre Syndrome.

II. Write notes on:

(8 x 5 = 40)

1. Sensory Re-education.
2. Gait training for Parkinson's patients.
3. Management of Ataxia.
4. Common Aids used in Peripheral Nerve Lesion.
5. Hoehn and Yahr classification of disability.
6. PT role in bladder training.
7. Mat activities in spinal cord injury.
8. Brown-Sequard Syndrome.

III. Short answers on:

(10 x 2 = 20)

1. Reflex Bladder.
2. Bell's Phenomena.
3. Sacral Sparing.
4. Gower's Sign.
5. Myasthenia Gravis.
6. Battle's Sign.
7. Energy Conservation Exercises.
8. Fluent Aphasia.
9. Spina bifida occulta.
10. Pressure sores.

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

[LQ 6265]

FEBRUARY 2020

Sub. Code: 6265

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY**

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about Physiotherapy assessment and management of Multiple sclerosis.
2. Define Pain. Briefly discuss about Pain pathway, theories supporting pain and Management of Chronic Pain in Neurological conditions.

II. Write notes on:

(8 x 5 = 40)

1. Primitive Reflexes.
2. Co-ordination exercises.
3. Principles of Motor Relearning programme.
4. Bladder dysfunction.
5. Physiotherapy management of unconscious Patient.
6. Shoulder hand syndrome.
7. Hydrocephalus.
8. Glasgow coma scale.

III. Short answers on:

(10 x 2 = 20)

1. Aphasia.
2. Biofeedback.
3. Causalgia.
4. Inverted Radial reflex.
5. Dysdiadokokinesia.
6. Biceps jerk.
7. Weber's test.
8. Two point discrimination.
9. Faradic Galvanic Test.
10. Bell's Phenomenon.

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

[LR 6265]

DECEMBER 2020
(AUGUST 2020 EXAM SESSION)

Sub. Code: 6265

BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY

Q.P. Code : 746265

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe clinical features, stages and management of Duchenne Muscular Dystrophy.
2. Explain the clinical features, assessment and management of Motor Neuron Disease.

II. Write notes on:

(8 x 5 = 40)

1. Spinal cord injury.
2. Balance Training.
3. Clinical features assessment and management of Poliomyelitis.
4. Bobath approach.
5. Bell's palsy and its management.
6. Wheel Chair stage of DMD.
7. Foot drop Gait.
8. Physiotherapy management of Radial nerve Injury.

III. Short answers on:

(10 x 2 = 20)

1. Syringomyelia.
2. Extra pyramidal system.
3. Chronic pain.
4. Transient Ischemic attack.
5. Mat activities.
6. Pressure sores.
7. Lateral popliteal nerve palsy.
8. Sensory Integration.
9. Bulbo cavernosus Reflex.
10. Disability rating scale used in Parkinsonism.

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

[BPT 0921]

SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)

Sub. Code: 6265

BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY
Q.P. Code : 746265

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about the clinical features assessment physiotherapy management for 45 years female in Right Hemiplegia.
2. Explain the clinical features and physiotherapy management of 65 years old parkinsonism patient.

II. Write notes on:

(8 x 5 = 40)

1. Management of GBS. (Guillian Bare Syndrome).
2. Assessment of Cerebellar Lesion.
3. Management of Multiple sclerosis.
4. Functional Balance grading.
5. Peripheral Neuropathy.
6. Assessment of Muscle tone.
7. Prescription of wheel chair.
8. Management of Bell's palsy.

III. Short answers on:

(10 x 2 = 20)

1. Brainstem stroke.
2. Neuromuscular stimulation.
3. Equilibrium reaction.
4. Hydrocephalus.
5. SOMI brace.
6. Autonomic Dysreflexia.
7. Miller – fisher Syndrome.
8. Four Neonatal reflexes.
9. 11th & 12th Cranial Nerve.
10. Circumduction gait.

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

[BPT 0122]

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

Sub. Code: 6265

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
PAPER II – P.T. IN NEUROLOGY
*Q.P. Code : 746265***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the stages of poliomyelitis and write the PT Management at residual stage.
2. Assessment and management of 40 year old man with T10 vertebral fracture with complete lesion.

II. Write notes on:

(8 x 5 = 40)

1. Classify cerebral palsy and write its cause.
2. Balance training in Hemiplegia.
3. Haehn and Yahr scale in Parkinson.
4. Types of muscular dystrophy and its genetic counseling.
5. Frenkle exercise.
6. Types of Neurogenic bladder dysfunction and its management.
7. Splints used in upper limb.
8. Festinating gait.

III. Short answers on:

(10 x 2 = 20)

1. Abnormal reflexes.
2. Ankle Jerk.
3. Pathological gaits.
4. Pain assessment scale.
5. Spina bifida.
6. Shoulder hand syndrome.
7. Causalgia.
8. Neurotransmitter.
9. Righting reflex.
10. Associated reaction.

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

[BPT 0122]

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

Sub. Code: 6288

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR- (Regulation from 2017-2018 onwards)
PAPER II – P.T. IN NEUROLOGY
*Q.P. Code : 746288***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail about the causes, etiology, assessment and management for 70 year old man affected by Parkinson's disease.
2. Discuss in detail about assessment and management of Guillain Barre Syndrome in recovery stage.

II. Write notes on:

(10 x 5 = 50)

1. Abnormal gaits.
2. Brown sequard syndrome.
3. Circle of Willis.
4. Deformities seen in poliomyelitis.
5. Architectural barriers in Muscular Dystrophy.
6. Spina bifida.
7. Benefits of standing training in CP.
8. Splints used in upper limb.
9. Sudeck's atrophy.
10. Neurogenic bladder.

III. Short answer on:

(10 x 2 = 20)

1. Superficial reflexes.
2. Hyperpathia.
3. Assessment of limb length.
4. Akinesia.
5. STNR.
6. Tinel's sign.
7. Pyramidal tract.
8. Pusher syndrome.
9. Shaking palsy.
10. Carotid bruit.

August 2011

[KZ 6267]

Sub. Code : 6267

BACHELOR OF PHYSIOTHERAPY EXAMINATION

FOURTH YEAR / EIGHTH SEMESTER

P.T. IN ORTHOPAEDICS

Q.P. Code : 746267

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

I. LONG ESSAYS

(2X20=40)

1. Describe the Physiotherapy assessment, aims and management of Rheumatoid Arthritis in the chronic stage.
2. Describe the clinical features and Physiotherapy management of ankylosing spondylitis.

II. SHORT NOTES

(8X5=40)

1. Sudeck's Atrophy.
2. Screw Home Mechanism.
3. Tennis Elbow.
4. Subacromial Bursitis.
5. Cubitus Varus.
6. Myositis Ossificans.
7. Volkmann's Ischemic Contracture.
8. Non Union.

III. SHORT ANSWERS

(10X2=20)

1. Green stick fracture.
2. Lateral ligament of ankle.
3. Milwaukee brace.
4. Torticollis.
5. Lumbar pelvic rhythm.
6. Posterior sag sign.
7. Splints used in rheumatoid arthritis.
8. Wrist drop.
9. De quervains disease.
10. Ober's Test.

February 2012

[LA 6267]

Sub. Code: 6267

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION

FOURTH YEAR / EIGHTH SEMESTER

P.T.IN ORTHOPAEDICS

Q.P. Code : 746267

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2X20=40)

1. Explain in detail about PT Evaluation and PT Management following BK Amputation.
2. Explain in detail about PT Evaluation and PT Management for Cervical Spondylosis.

II. Write notes on:

(8X5=40)

1. PT Management following Tension Band Wiring – Patella fracture.
2. Gait Training for Non – Cemented and Cemented Total Hip Replacement.
3. PT Management for Scaphoid Fracture.
4. Dupuytren's Contracture.
5. PT Evaluation for Cervical Inter Vertebral Disc Prolaps C7 – C8.
6. PT Management for OA Knee.
7. PT Management for Supraspinatus Tendonitis.
8. Management to control Pain, swelling, Strengthening following Grade – II Medial Collateral Ligament injury of knee.

III. Short Answers:

(10X2=20)

1. List the functional activities which will increase the flexion & extension of shoulder?
2. Open Kinematics Chain Exercise.
3. Lumbosacral Corset.
4. ACL Bracing and its advantages.
5. Auto Amputations.
6. Grading of ligamentous Instability.
7. List the Various types of Mobility Aids.
8. List the deformities seen in Congenital Talipes Equino Varus.
9. Deep transverse friction.
10. Foraminal Compression Test.

[LB 6267]

AUGUST 2012

Sub. Code: 6267

FOURTH YEAR / EIGHTH SEMESTER BPT EXAM

P.T.IN ORTHOPAEDICS

Q.P. Code : 746267

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. Describe the Physiotherapy management following Colle's fracture which was conservatively managed. Write briefly complications following Colle's fracture. 19 33 20
2. Describe the post operative Physiotherapy management following Radial Head excision. 19 33 20

II. Write Notes on:

1. Limb Length Discrepancy. 3 8 5
2. Rule of Nine in Burns. 3 8 5
3. External Fixator. 3 8 5
4. Bunnel-Littler test. 3 8 5
5. Taylor Knight Brace. 3 8 5
6. Ideal Stump. 3 8 5
7. Avascular Necrosis. 3 8 5
8. Bankart's Repair. 3 8 5

III. Short Answers:

1. Dupuytren's contracture. 1 5 2
2. Cobb's angle. 1 5 2
3. Complications of Below Knee Amputation. 1 5 2
4. Me Murrays test. 1 5 2
5. Coxa vara. 1 5 2
6. Ankle foot orthosis. 1 5 2
7. Z Thumb. 1 5 2
8. Pes Planus 1 5 2
9. Deformities in Rheumatoid arthritis. 1 5 2
10. Jumpers knee. 1 5 2

[LC 6267]

FEBRUARY 2013

Sub. Code: 6267

FOURTH YEAR BPT EXAM / EIGHTH SEMESTER

P.T. IN ORTHOPAEDICS

Q.P. Code : 746267

**Time: Three Hours
(180 Min)**

Maximum: 100 marks

I. Elaborate on: (2X20=40)

1. Explain the different types of scoliosis. Write in detail the assessment and PT management for scoliosis.
2. Discuss the pre and post-operative management for a case of fracture neck of femur.

II. Write notes on: (8X5=40)

1. Club foot.
2. UMN and LMN type of bladder.
3. Plantar fasciitis.
4. Myositis Ossificans.
5. Colles' Fracture.
6. Deep Vein Thrombosis.
7. PT management in anterior dislocation of shoulder.
8. PT management for lumbar spondylolithiasis.

III. Short Answers: (10X2=20)

1. Knee reflex root value.
2. Arthroplasty.
3. Meralgia Paresthetica.
4. Gait cycle.
5. Osteoporosis.
6. Stages of fracture healing.
7. Non-union.
8. Shenton's line.
9. Septic arthritis.
10. Speed test.

[LD 6267]

AUGUST 2013

Sub. Code: 6267

FOURTH YEAR / EIGHTH SEMESTER BPT EXAM

P.T IN ORTHOPAEDICS

Q.P. Code : 746267

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Management of Supra Condylar fracture in a school going child.
2. Management of middle aged working woman suffering from early Osteoarthritis.

II. Write Notes on:

(8X5=40)

1. Spinal Canal Stenosis.
2. Galeazzi fracture
3. Swan neck deformity.
4. Lasegue's test
5. Weight relieving orthosis.
6. Pedicle graft.
7. Four point gait.
8. Kyphosis.

III. Short Answers:

(10X2=20)

1. Wry neck.
2. Causes of Foot drop.
3. Button hole deformity
4. Phalen's test
5. Chondromalacia patella.
6. Pes Cavus.
7. Hard test.
8. Ulnar drift.
9. Golfer's elbow
10. Rule of nine.

[LE 6267]

FEBRUARY 2014

Sub. Code: 6267

FOURTH YEAR / EIGHTH SEMESTER BPT EXAM

P.T IN ORTHOPAEDICS

Q.P. Code : 746267

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Explain in detail about special test for ACL injury and rehabilitation protocol ACL construction.
2. Evaluation on ankylosing spondylitis and physiotherapy management.

II. Write Notes on:

(8X5=40)

1. IVDP and its PT management.
2. Shaft of humerus fracture and its PT management.
3. Radial nerve palsy.
4. Tennis elbow.
5. Myofascial pain syndrome.
6. Classification of talus fracture and its PT management.
7. Syme's amputation.
8. CTEV.

III. Short Answers:

(10X2=20)

1. Tardy ulnar nerve palsy.
2. Special test for supraspinatus tendinitis
3. Boxer's fracture.
4. Rule of nine.
5. Deformities of rheumatoid arthritis
6. Putti platt operation & saha operation.
7. Q angle.
8. Spinal shock.
9. Trigger finger & trigger thumb.
10. Tropic ulcer.

[LF 6267]

AUGUST 2014

Sub. Code: 6267

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
PAPER IV - P.T in ORTHOPAEDICS**

Q.P. Code : 746267

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Pre and post operative management of a 40 year old male with fracture shaft of femur.
2. Low back pain-Its classification, management and preventive measures.

II. Write Notes on:

(8X5=40)

1. Pes Planus
2. Intrinsic plus deformity
3. Tennis elbow
4. Carpal tunnel syndrome
5. Monteggia fracture
6. Recurrent dislocation of shoulder.
7. 'Q' – angle and its significance.
8. Bladder training.

III. Short Answer:

(10X2=20)

1. Homan's sign
2. Patellar femoral arthritis.
3. Cervical rib
4. Plantar fasciitis.
5. Klapp's exercise.
6. Decubitus ulcer.
7. Stump care and exercise
8. Foot drop gait.
9. Dequervains disease.
10. Limp length discrepancy.

[LG 6267]

FEBRUARY 2015

Sub. Code: 6267

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
P.T IN ORTHOPAEDICS**

Q.P. Code : 746267

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the Physiotherapy assessment and management of a 50 year old lady teacher suffering from left shoulder peri arthritis. Add a note on home exercise program.
2. A 60 yr old retired colonel underwent total joint replacement of the right hip. Explain the rehabilitative protocol focusing on community activities.

II. Write notes on:

(8 x 5 = 40)

1. Management of Ankylosing spondylitis
2. Physiotherapy following skin grafting
3. Manual lymph drainage
4. HKAFO Orthosis
5. Definitions and management of Galeazzi fracture
6. Tests and management of Piriformis syndrome
7. Clinical features and management of Golfer's elbow
8. Special tests and management for Congenital dislocation of hip

III. Short answers on:

(10 x 2 = 20)

1. Definition of Deep vein thrombosis
2. Preiser's disease
3. Trendelenburg gait
4. Grading of tenderness
5. Anterior drawer test
6. Cock-up splint
7. Patellectomy
8. Feiss line
9. Thoracic outlet syndrome
10. Wry neck

[LH 6267

AUGUST 2015

Sub. Code: 6267

B.P.T. DEGREE EXAMINATION
FOURTH YEAR
PAPER IV – P.T IN ORTHOPAEDICS

Q.P. Code: 746267

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Outline Physiotherapy Assessment for a 40 year old lady with chronic Rheumatoid Arthritis. List down the deformities seen in Rheumatoid Hand. Describe the Physiotherapy management for this lady whose both hands are involved.
2. Describe the assessment and management of a 10 year old girl affected with Poliomyelitis and secondary Scoliosis.

II. Write notes on:

(8 x 5 = 40)

1. Causalgia – Management.
2. Fracture Disease.
3. Stress Fracture. Causes and management.
4. Mallet finger.
5. Piriformis syndrome and its physiotherapy management.
6. Painful Arc Syndrome.
7. Define Compartment Syndrome.
8. Define Gait. Explain the normal Gait parameters.

III. Short Answers on:

(10 x 2 = 20)

1. Referred pain.
2. Thoracic Kyphosis.
3. Brachialgia.
4. Tripod sign.
5. Prepatellar Bursitis.
6. Cervical Tracion.
7. Deep Vein Thrombosis.
8. Schober's test.
9. Meralgia Parasthetica.
10. Greenstick Fracture.

[LI 6267]

FEBRUARY 2016

Sub. Code: 6267

**FOURTH YEAR BPT EXAMINATION
PAPER IV - P.T. IN ORTHOPAEDICS**

Q.P. Code : 746267

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about the Physiotherapy assessment and management of a 20 yr old athlete who sustained intervertebral disc prolapse L1-L2. Add a note on functional activity.
2. Discuss in detail about a 30 yr old man who was treated conservatively for right colles fracture. Explain the functional rehabilitation of the hand.

II. Write notes on:

(8 x 5 = 40)

1. Stages of fracture healing.
2. Stump management.
3. Sensory assessment in leprosy.
4. Management of Plantar fasciitis.
5. Phases of gait cycle.
6. Postural examination.
7. Physiotherapy management of recurrent dislocation of patella.
8. Rheumatoid arthritis of hand.

III. Short answers on:

(10 x 2 = 20)

1. Phantom limb pain.
2. Side swipe injury.
3. Green stick fracture.
4. Manual muscle grading.
5. Joint mobilization grades.
6. Chaffeur's fracture.
7. Shentons line.
8. Myositis ossificans.
9. Lumbosacral Corset.
10. Anti flexion brace.

[LJ 6267]

AUGUST 2016

Sub. Code: 6267

**FOURTH YEAR BPT EXAMINATION
PAPER IV - P.T. IN ORTHOPAEDICS**

Q.P. Code : 746267

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write the indication and principles of Amputations. Describe the PT Management and training of before and after prosthetic fitting for above Knee Amputation.
2. Explain in detail about special test for ACL injury and rehabilitation protocol for ACL construction.

II. Write notes on:

(8 x 5 = 40)

1. Galeazzi Fracture.
2. Kyphosis.
3. Rules of nine in Burns.
4. Pain Assessment.
5. Ankylosing spondylitis – Physiotherapy Management.
6. Recurrent dislocation of patella.
7. Various methods of draining edema.
8. Plantar fasciitis.

III. Short answers on:

(10 x 2 = 20)

1. Tinel Sign
2. Obers Test
3. Grades of Mobilisation
4. Cobb's Angle
5. Hill sach lesion
6. Non union
7. Frozen shoulder
8. Cervical rib
9. Mc.Murrays Test
10. Splints used in Rheumatoid arthritis

[LK 6267]

FEBRUARY 2017

Sub. Code: 6267

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER IV - P.T. IN ORTHOPAEDICS**

Q.P. Code : 746267

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. A 65 year old man had fracture Neck of Femur and underwent replacement Arthroplasty. Write briefly the role of physiotherapy from the first day of operation till discharge.
2. Explain in detail about PT Evaluation and PT Management for PA Shoulder.

II. Write notes on:

(8 x 5 = 40)

1. Volkman's Ischemic contracture.
2. Principles of tendon transfer.
3. Piriformis syndrome and its physiotherapy management.
4. Spinal canal stenosis.
5. Jordan's principle of three point pressure.
6. Spondylolistheis.
7. Torticollis.
8. Milwaukee brace.

III. Short answers on:

(10 x 2 = 20)

1. CTEV.
2. End feel.
3. Klumpke's paralysis.
4. Fracture disease.
5. Elys test.
6. Z-thumb deformity.
7. Osteoma.
8. Skin graft.
9. Osteoporosis.
10. Unstable hip gait.

[LL 6267]

AUGUST 2017

Sub. Code: 6267

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER IV - P.T. IN ORTHOPAEDICS**

Q.P. Code : 746267

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the PT Management of Supra Condylar fracture at elbow which was conservatively managed. Write briefly complications of Supra Condylar fracture.
2. Describe the Pre and Post-Prosthetic management of a Trans Femoral Amputee.

II. Write notes on:

(8 x 5 = 40)

1. Types and physiotherapy management of skin grafting.
2. Spinal canal stenosis.
3. Patello femoral pain syndrome.
4. Shoulder hand syndrome.
5. Postural hypotension.
6. Carpal tunnel syndrome.
7. Sub-acromial bursitis.
8. Flat foot.

III. Short answers on:

(10 x 2 = 20)

1. Types of sequestrum.
2. Erb's Palsy.
3. Arthodesis.
4. MMT – grading.
5. Painful arc syndrome.
6. Complications of Colle's fracture.
7. Sudeck's atrophy.
8. Degrees of Burns.
9. Pott's fracture.
10. Flat Back.

[LM 6267]

FEBRUARY 2018

Sub. Code: 6267

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER IV - P.T. IN ORTHOPAEDICS**

Q.P. Code : 746267

Time: Three hours

Maximum: 100 Marks

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

1. Explain in detail about PT evaluation and PT management for following AK Amputation.
2. Explain in detail about PT evaluation and PT management for Ankylosing spondylitis.

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

1. PT management for following Colle's fracture.
2. PT management for scaphoid fracture.
3. PT management for Tennis elbow.
4. Gait training for non-cemented and cemented Total Hip Replacement.
5. PT evaluation for cervical inter vertebral disc prolapsed C5-C6.
6. PT management for Trigger finger.
7. PT management for Supraspinatus tendonitis.
8. Management to control pain, swelling, strengthening following grade – II lateral ligament injury of ankle.

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

1. List the functional activities which will increase the flexion and extension of knee.
2. Close Kinematics chain exercise.
3. Lumbo-sacral corset.
4. ACL bracing and its advantages.
5. Cobb's angle.
6. Grading of ligamentous instability.
7. Anterior drawer test.
8. List the deformities seen in congenital Talipes Equino Varus.
9. Deep transverse friction.
10. Limb length discrepancy.

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER IV - P.T. IN ORTHOPAEDICS**

Q.P. Code : 746267

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about Post-operative PT evaluation and management for a 51 yrs. old male who underwent Total Knee Arthroplasty.
2. Give a detail account on PT assessment and treatment techniques for a patient with Right Peri-arthritis shoulder.

II. Write notes on:

(8 x 5 = 40)

1. PT management for fracture Shaft of Femur.
2. Mallet finger – PT management.
3. PT management for TA rupture following reconstruction.
4. Monteggia fracture – PT management.
5. PT evaluation for recurrent patella dislocation.
6. PT management for Spondylolisthesis.
7. Post surgical PT management for T. B. Spine.
8. Stump management for below Knee Amputation.

III. Short answers on:

(10 x 2 = 20)

1. Normal and abnormal end feel.
2. How will you correct the posture in patients with scoliosis?
3. Define Boutonneire deformity.
4. How will you increase the efficiency of neck muscles using EMG Bio-feed back for CS patients?
5. What are the special tests used to diagnose the Pesplanus and pescavus deformity?
6. Define compartment syndrome.
7. Limb length discrepancy.
8. Uses of club foot boot.
9. List the functional activities which will increase the flexion and extension of shoulder joint.
10. Role of quadriceps settings exercise in Post-operative ACL reconstruction patients.

[LO 6267]

FEBRUARY 2019

Sub. Code: 6267

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER IV - P.T. IN ORTHOPAEDICS**

Q.P. Code : 746267

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Outline the physiotherapy assessment and management of 45 year old male who is diagnosed with Osteoarthritis of the knee joint.
2. Write in detail about the assessment and management of a patient who is referred with anterior spondylolisthesis at L4-L5 level. Emphasis on the home program for the patient.

II. Write notes on:

(8 x 5 = 40)

1. Management of calcaneal spur with differential diagnosis.
2. Trigger finger.
3. Assessment of gait parameters.
4. Management for Tennis Elbow.
5. Special test for supraspinatus tendinitis.
6. Management for complication following fracture of mid shaft of humerus.
7. Write the various strengthening techniques for a muscle.
8. Management for Trapezitis.

III. Short answers on:

(10 x 2 = 20)

1. Wind swept deformity.
2. Valsalva manoeuver.
3. Dequervain's disease.
4. Cobb's angle.
5. Mill's test.
6. Empty can test.
7. Stretching of Gluteus Maximus.
8. Bamboo spine.
9. Limb length discrepancy.
10. Spasticity and rigidity.

[LP 6267]

AUGUST 2019

Sub. Code: 6267

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER IV - P.T. IN ORTHOPAEDICS**

Q.P. Code : 746267

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about the assessment and physiotherapy management following total Hip replacement.
2. Explain the types of Scoliosis. Write in detail about the physiotherapy assessment and management for Scoliosis.

II. Write notes on:

(8 x 5 = 40)

1. Principles of tendon transfer.
2. Myositis ossification.
3. Boxer's fracture and its management.
4. Resting splint for hand.
5. McMurray's test.
6. PT evaluation for Cervical Intervertebral Disc Prolapse of C5-C6.
7. Gait training following tibial fracture.
8. Bicipital tendonitis.

III. Short answers on:

(10 x 2 = 20)

1. Skin traction.
2. Boston brace.
3. Features of rickets.
4. Genu valgum.
5. Ankle sprain.
6. Guillotine amputation.
7. March fracture.
8. Tinel's sign.
9. Causalgia.
10. Sciatica.

[LQ 6267]

FEBRUARY 2020

Sub. Code: 6267

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER IV - P.T. IN ORTHOPAEDICS**

Q.P. Code : 746267

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail about the pre-operative and post-operative physiotherapy management of right Total Knee Replacement.
2. Describe the causes, pathology and clinical features and physiotherapy management of Ankylosing Spondylitis.

II. Write notes on:

(8 x 5 = 40)

1. Volkmann's ischaemic contracture.
2. Golfer's elbow.
3. Galeazzi fracture – physiotherapy evaluation.
4. Painful arc syndrome.
5. Monteggia fracture.
6. Mallet finger and its physiotherapy management.
7. Pain assessment.
8. Supraspinatus tendonitis.

III. Short answers on:

(10 x 2 = 20)

1. Straight leg raise test.
2. Throacic outlet syndrome.
3. IT band stretching.
4. Erb's palsy.
5. Type of fracture.
6. Ulnar drift.
7. Splints for scoliosis.
8. Feiss line.
9. Grades for ligament instability.
10. Dennis brown splint.

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

[LR 1220]

DECEMBER 2020
(AUGUST 2020 EXAM SESSION)
BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER IV - P.T. IN ORTHOPAEDICS
Q.P. Code : 746267

Sub. Code: 6267

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the Physiotherapy Assessment and management of a 55year old male Carpenter suffering from Right side Periarthritis of Shoulder and add a note on Home program .
2. Explain in detail about the Physiotherapy Evaluation and management of patient with above Knee Amputation.

II. Write notes on:

(8 x 5 = 40)

1. Thoracic Outlet syndrome.
2. Q angle and its significance.
3. Tennis Elbow.
4. Types of Pelvic tilt.
5. Upper limb tension test.
6. Meralgia Parasthesia.
7. Congenital Talipes Equino Varus.
8. Rheumatoid hand.

III. Short answers on:

(10 x 2 = 20)

1. Tropic ulcers.
2. Ulnar drift.
3. Stress fracture.
4. Femoral triangle.
5. Phases of Gait cycle.
6. Define Torticollis.
7. Deformities of knee joint.
8. Schober's test.
9. Measurement of limb length.
10. Perthe's disease.

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

[BPT 0921]

SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)

Sub. Code: 6267

BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER IV - P.T. IN ORTHOPAEDICS
Q.P. Code : 746267

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about pre & post operative physiotherapy assessment and management for a 40 year old male underwent bilateral below knee amputation.
2. Explain in detail about physiotherapy assessment and management of NECK OF FEMUR fracture in 50 year old man.

II. Write notes on:

(8 x 5 = 40)

1. Calcaneal Spur.
2. Define Gait. Explain Gait phases.
3. Golfer's Elbow.
4. LBA Management.
5. OA Knee Management.
6. Scoliosis.
7. Achilles Tendinitis.
8. Myositis Ossificans.

III. Short answers on:

(10 x 2 = 20)

1. Speed Test.
2. Mal Union.
3. Wrist Drop.
4. Tenderness Grading.
5. Pain Assessment.
6. Isometric Quadriceps exercise.
7. Isometric Neck Exercise.
8. Rheumatoid Hand.
9. Phantom Limb Pain.
10. Complications of fracture.

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

[BPT 0122]

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

Sub. Code: 6267

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
PAPER IV - P.T. IN ORTHOPAEDICS
*Q.P. Code : 746267***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about the assessment and physiotherapy management following total Hip replacement.
2. Describe the PT Management of Supra Condylar fracture at elbow which was conservatively managed. Write briefly about complications of Supra Condylar fracture.

II. Write notes on:

(8 x 5 = 40)

1. Thoracic Outlet syndrome.
2. Ideal Stump.
3. Monteggia fracture.
4. Causalgia – Management.
5. Ankylosing spondylitis – Physiotherapy Management.
6. Shoulder hand syndrome.
7. Carpal tunnel syndrome.
8. Principles of tendon transfer.

III. Short answers on:

(10 x 2 = 20)

1. Non-Union.
2. Arthroplasty.
3. Tropic ulcer.
4. Putti platt operation.
5. Wry neck.
6. Green stick fracute.
7. Complications of Colle's fracture.
8. Q angle.
9. CTEV.
10. Osteoporosis.

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

[BPT 0122]

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

Sub. Code: 6287

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR- (Regulation from 2017-2018 onwards)
PAPER I – P.T. IN ORTHOPAEDICS
Q.P. Code : 746287**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the detail of Pre and Post Operative management for a 55 year old female following Unilateral below knee amputation.
2. Classify Head of Femur fracture. Describe the Physiotherapy management for fracture head of Femur.

II. Write notes on:

(10 x 5 = 50)

1. Fat Embolism.
2. Dupuytren's Contracture.
3. Shoulder impingement syndrome.
4. Pott's fracture.
5. Tennis elbow.
6. Radial Nerve Injury.
7. Milwaukee brace.
8. Osteoporosis.
9. RA Spine.
10. Carpal tunnel syndrome.

III. Short answer on:

(10 x 2 = 20)

1. Thomas Test.
2. Types of Pain.
3. Arthrodesis.
4. Types of Leprosy.
5. Rules of Nine.
6. Claw hand.
7. Ideal Stump.
8. Smith Fracture.
9. One leg extension test.
10. Jumper's Knee.

August 2011

[KZ 6268]

Sub. Code : 6268

BACHELOR OF PHYSIOTHERAPY EXAMINATION

**FOURTH YEAR / EIGHTH SEMESTER
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code : 746268

Time : Three hours

Maximum : 100 marks

ANSWER ALL QUESTIONS

I. LONG ESSAYS

(2X20=40)

1. Describe the rehabilitation process for a person with traumatic tetraplegia at C4 level.
2. How will you rehabilitate a college student who has become traumatic bilateral below knee amputee?

II. SHORT NOTES

(8X5=40)

1. Post polio syndrome.
2. Co-ordination exercises.
3. Cardio pulmonary changes in the elderly.
4. Syme's prosthesis.
5. Occupational therapist.
6. Rheumatoid hand deformities.
7. Four- poster collar.
8. Myoelectric hand.

III. SHORT ANSWERS

(10X2=20)

1. Interdisciplinary team.
2. Features of a CTEV Boot.
3. Ankle foot orthosis.
4. Tinel's sign.
5. Jaipur foot.
6. Phantom limb pain.
7. Cervical collar.
8. Apraxia.
9. Tennis elbow.
10. Broca's aphasia.

February 2012

[LA 6268]

Sub. Code: 6268

BACHELOR OF PHYSIOTHERAPY EXAMINATION

**FOURTH YEAR / EIGHTH SEMESTER
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code : 746268

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on: **(2X20=40)**

1. Describe the etio-pathology and clinical features of Parkinson's disease.
Describe the rehabilitation of a patient with Parkinson's disease.
2. Describe the physiological changes that occur with aging. Explain the causes of falls and measures to prevent falls in the elderly.

II. Write notes on: **(8X5=40)**

1. Deep vein thrombosis.
2. Circle of Willis.
3. Postural Hypotension.
4. Wrist drop.
5. Dementia.
6. Muscle tone.
7. Connections of the Cerebellum.
8. Trigeminal Neuralgia.

III. Short Answers: **(10X2=20)**

1. Features of lower motor neuron paralysis.
2. Dermatomes of upper limb.
3. Grades of spasticity.
4. Neural pathway of Knee jerk.
5. Motor supply of Median Nerve.
6. Transient Ishaemic attack.
7. Moros reflex.
8. Extra-ocular muscles of the eye.
9. Circumduction gait.
10. Anal reflex.

[LB 6268]

AUGUST 2012

Sub. Code: 6268

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code: 746268

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. Describe the rehabilitation protocol for a patient who has undergone a right Total Hip Replacement. Write out a home program for this patient. | 19 | 33 | 20 |
| 2. List the potential complications, methods of prevention and management of these complications, in a patient with a T10 paraplegia. | 19 | 33 | 20 |

II. Write notes on:

- | | | | |
|--------------------------------|---|---|---|
| 1. Osteoarthritis of the knee. | 3 | 8 | 5 |
| 2. Carpal Tunnel Syndrome. | 3 | 8 | 5 |
| 3. Bells Palsy. | 3 | 8 | 5 |
| 4. Opponens splint. | 3 | 8 | 5 |
| 5. Foot drop. | 3 | 8 | 5 |
| 6. CTEV (Club Foot). | 3 | 8 | 5 |
| 7. Claw hand. | 3 | 8 | 5 |
| 8. Painful arc syndrome. | 3 | 8 | 5 |

III. Short Answers:

- | | | | |
|--|---|---|---|
| 1. Festinant Gait. | 1 | 5 | 2 |
| 2. MRC Grading of Muscle Power. | 1 | 5 | 2 |
| 3. Name the thenar muscles and their nerve supply. | 1 | 5 | 2 |
| 4. Dysdiadochokinesia. | 1 | 5 | 2 |
| 5. Grading of pressure sores. | 1 | 5 | 2 |
| 6. Features of Upper Motor Neuron lesions. | 1 | 5 | 2 |
| 7. Basal Ganglia. | 1 | 5 | 2 |
| 8. Waddling gait. | 1 | 5 | 2 |
| 9. Gowers sign. | 1 | 5 | 2 |
| 10. Grading of spasticity. | 1 | 5 | 2 |

[LC 6268]

FEBRUARY 2013

Sub. Code: 6268

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code : 746268

**Time: Three Hours
(180 Min)**

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. How will you rehabilitate a 40 years old executive who has become right side hemiplegia?
2. Define the Geriatric age group. What are the physiological changes that occur in the various systems of the geriatric population? Mention the common impairments of this age group and the management.

II. Write Notes on:

(8X5=40)

1. Architectural barriers.
2. Knee Ankle Foot Orthosis (KAFO).
3. Terminal devices of upper limb prosthesis.
4. Features of an ideal trans tibial residual limb.
5. Community Based Rehabilitation.
6. SOMI Brace.
7. Deep vein thrombosis.
8. Medical Social Worker (MSW).

III. Short Answers:

(10X2=20)

1. Stubby prosthesis.
2. MCR chappal.
3. Grading of pressure ulcer.
4. Walker.
5. Congenital Talipes Equino Varus (CTEV) deformity.
6. Components of wheel chair.
7. Cerebral palsy types.
8. Various levels of amputation in the upper limb.
9. Gower's sign.
10. Risk factors for stroke.

[LD 6268]

AUGUST 2013

Sub. Code: 6268

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code : 746268

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. Outline the architectural barriers likely to be faced by a wheelchair dependant housewife and explain the modifications that can be made.
2. Describe the rehabilitation of a 21 year old male with bilateral transfemoral amputation.

II. Write Notes on:

(8X5=40)

1. Carpal Tunnel Syndrome
2. Trophic Ulcer
3. Postural Hypotension
4. Stump Care
5. Bells Palsy
6. Fracture disease
7. Wrist drop
8. Opponens splint

III. Short Answer:

(10X2=20)

1. Define 'impairment' and 'disability'
2. Motor supply of Median Nerve
3. Name four entrapment neuropathies
4. Grading of pressure sores
5. Features of Upper Motor Neuron lesions
6. Transient Ishaemic attack.
7. Carpal Bones
8. Basal Ganglia
9. Moros reflex
10. March fracture.

[LE 6268]

FEBRUARY 2014

Sub. Code: 6268

**FOURTH YEAR / EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING GERIATRIC
REHABILITATION**

Q.P. Code : 746268

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. List the complications of prolonged bed rest and explain the measures to be taken to prevent them.
2. List the risk factors for Stroke. Explain the rehabilitation of a 40 years old teacher with a Left hemisphere MCA territory infarct.

II. Write Notes on:

(8X5=40)

1. Dementia.
2. Erbs Palsy
3. Foot drop
4. Trophic Ulcer
5. Connections of the Cerebellum
6. Aphasia
7. Claw hand
8. PTB Prosthesis.

III. Short Answer:

(10X2=20)

1. Festinant Gait.
2. Features of lower motor neuron paralysis.
3. Dermatomes of upper limb
4. Swan neck deformity
5. MRC Grading of muscle Power.
6. Grades of spasticity
7. Cobb's angle.
8. Name the thenar muscles and their nerve supply.
9. Dysdiadochokinesia.
10. Neural pathway of Knee jerk.

[LF 6268]

AUGUST 2014

Sub. Code: 6268

**FOURTH YEAR/EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2X20=40)

1. How will you rehabilitate a 20 years old college student who has sustained Traumatic Brain Injury (TBI)?
2. How will you rehabilitate a school teacher who has become a bilateral trans tibial amputee?

II. Write Notes on:

(8X5=40)

1. Osteoporosis
2. Clinical Psychologist
3. Philadelphia Collar
4. Various Sockets for a below knee stump
5. Postural drainage
6. Reeducation following tendon transfer surgery
7. Blood supply to the brain
8. Myo fascial pain syndrome

III. Short Answer:

(10X2=20)

1. Madras foot
2. Dysarthria
3. Gower's sign
4. Repetition Maximum (RM)
5. Jaipur foot
6. Phantom limb pain
7. Four point gait
8. Postural changes in elderly
9. Intrinsic minus deformity
10. Broca's Aphasia

[LG 6268]

FEBRUARY 2015

Sub. Code: 6268

**FOURTH YEAR/EIGHTH SEMESTER BPT EXAM
REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. How will you rehabilitate a 40 year old farmer, 8 months back sustained right above knee amputation and left below knee amputation due to road traffic accident?
2. Describe the rehabilitation program for a 20 year old computer programmer with traumatic C7 complete Tetraplegia.

II. Write notes on:

(8 x 5 = 40)

1. Various approaches for delivery of rehabilitation care
2. Milwaukee brace
3. Tennis elbow
4. Syme's prosthesis
5. Exercise Tolerance Testing
6. Theories of pain
7. Musculoskeletal changes that occur with aging
8. Rehabilitation nurse

III. Short answers on:

(10 x 2 = 20)

1. Seddon's classification of nerve injury
2. Functional position of hand
3. Parallel bars
4. Phantom limb sensation
5. Tonic neck reflex
6. Measurement of elbow crutch
7. Modified Ashworth scale
8. Ape thumb deformity
9. Name any four complications of Stroke
10. Define and classify Lymphedema

[LH 6268]

AUGUST 2015

Sub. Code: 6268

B.P.T. DEGREE EXAMINATION

FOURTH YEAR

**PAPER V – REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code: 746268

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the deleterious effects of prolonged inactivity and bed rest on the body system.
2. How will you rehabilitate a 35 year old right handed female school teacher with recent right hemiplegia?

II. Write notes on:

(8 x 5 = 40)

1. Neurogenic bladder.
2. Hand deformities in Rheumatoid arthritis.
3. Pathological gait.
4. Ankle foot orthosis.
5. Define Activities of Daily Living (ADL) and describe various ADLs.
6. Below elbow prosthesis.
7. Proprioceptive Neuromuscular Facilitation (PNF) techniques.
8. Speech pathologist.

III. Short Answers on:

(10 x 2 = 20)

1. Name any four neonatal reflexes.
2. Name any four prosthetic foot pieces.
3. Swan neck deformity.
4. Trigger finger.
5. Measurement of axillary crutch.
6. Tardy Ulnar nerve palsy.
7. Babinski's sign.
8. Hallux valgus.
9. VO2 max.
10. Types of breathing exercise.

[LI 6268]

FEBRUARY 2016

Sub. Code: 6268

**FOURTH YEAR BPT EXAMINATION
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. How will you Rehabilitate a Spastic Diplegic child? Briefly write on developmental milestones.
2. How will you Rehabilitate 40 yrs old lady with Rheumatoid Arthritis? Briefly write on adaptive devices to Rheumatoid hand.

II. Write notes on:

(8 x 5 = 40)

1. Female social worker.
2. Sheltered workshop.
3. Supraspinatus Tendinitis.
4. Post Polio Syndrome.
5. Hearing AIDS.
6. Golfer's Elbow.
7. Duchenne muscular dystrophy.
8. Intrinsic foot muscle exercise.

III. Short answers on:

(10 x 2 = 20)

1. Foot drop splint.
2. Intrinsic plus deformity.
3. MCR insole.
4. Overhead Pulley.
5. Gate control theory.
6. Ulnar drifting.
7. TENS Therapy.
8. Myositis Ossificans.
9. Tinel's sign.
10. Cosmetic Gloves.

[LJ 6268]

AUGUST 2016

Sub. Code: 6268

**FOURTH YEAR BPT EXAMINATION
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the Rehabilitation problems encountered in a 65 year male with left sided Cerebro Vascular Accident of brain and describe its management.
2. Briefly discuss the various causes of low back pain and describe the Rehabilitation strategies for a L4-L5 Disc prolapse with root impingement.

II. Write notes on:

(8 x 5 = 40)

1. Impairment, Disability, Handicap.
2. Rehabilitation team.
3. Fibromyalgia.
4. Enumerate causes of Amputation and discuss the principles of stump care.
5. Pressure ulcers.
6. Neurogenic bladder.
7. Complex regional pain syndrome.
8. Vestibular Rehabilitation.

III. Short answers on:

(10 x 2 = 20)

1. List 4 features of lower motor diseases.
2. What are chorea and athetosis?
3. What is Volkman's ischemic sign and its significance?
4. What is genu recurvatum and give one cause of the condition?
5. Medical Research Council Grading of muscle strength.
6. What is Trendelenberg's gait? Name the muscle affected in this abnormal gait.
7. What are Neuropraxia and Axonotemesis?
8. What is coccydynia? List out one cause for its occurrence.
9. Stride length and step length of gait.
10. Which major nerve is involved in Crutch Palsy? How will you take measurement for an Axillary crutch?

[LK 6268]

FEBRUARY 2017

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

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

1. Define Cardiac Rehabilitation and discuss in detail.
2. How will you Rehabilitate 70 yrs old male patient with Periarthritis right shoulder and discuss about geriatric Rehabilitation?

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

1. Pressure sore.
2. Weight relieving caliper.
3. Components of wheel chair.
4. Visual aids.
5. Pain pathways.
6. Tennis elbow.
7. Community based Rehabilitation.
8. Interferential therapy.

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

1. Cervical collar.
2. Boutonniere deformity.
3. MCP insole.
4. CTEV boot.
5. Motor point.
6. Aeroplane splint.
7. Adherent scar.
8. Rice therapy.
9. Carpal tunnel syndrome.
10. Flat foot.

[LL 6268]

AUGUST 2017

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V- REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the physiological changes occur due to ageing, briefly enumerate the medical problems that are common and describe the Rehabilitation strategies for them?
2. Define Rehabilitation. What are the team concepts in the management? Discuss the role of the each member of the team.

II. Write notes on:

(8 x 5 = 40)

1. Environmental barriers.
2. Define gait, and enumerate pathological gaits.
3. Ideal features of an amputee stump.
4. What is total claw hand? Describe the orthotic management of claw hand.
5. Neuroplasticity.
6. Medical social worker.
7. Describe strength duration curve and its significance.
8. What is pressure sore? Describe the grading and management principles.

III. Short answers on:

(10 x 2 = 20)

1. Rigidity and spasticity.
2. List four features of upper motor disease.
3. List four features of cerebellar disease.
4. What is straight leg raising test and its significance?
5. List out the rotator cuff muscles and identify the muscle involved in Painful arc syndrome.
6. What are swan neck and Bouttonaire deformity and one reason for the condition?
7. What is tinel's sign? What is its clinical significance?
8. What is body mass index? Its clinical significance.
9. Visual analogue scale.
10. List two named bursae around knee and name the diseases affecting them.

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

[LM 6268]

FEBRUARY 2018

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. How will you Rehabilitate a 40 year old male, who had 10 months back sustained bilateral above Knee Amputation due to road traffic accident?
2. Describe the Rehabilitation program for a 20 year old college student with D8 Pott's paraplegia.

II. Write notes on:

(8 x 5 = 40)

1. Persons with Disability (PWD) Act.
2. Thoracolumbosacral orthoses (TLSOs).
3. Foot deformities in Leprosy.
4. Myoelectric hand.
5. Sheltered workshop.
6. Cubitus varus deformity.
7. Adhesive capsulitis.
8. Exercise therapy in elderly.

III. Short answers on:

(10 x 2 = 20)

1. Reverse Knuckle bender splint.
2. Jersey finger.
3. Thompson's test.
4. Tripod gait.
5. Bennet's fracture.
6. Aerobic capacity.
7. Moro's reflex.
8. Incentive spirometry.
9. Coronary Angioplasty.
10. Basal ganglia.

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

[LN 6268]

AUGUST 2018

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the rehabilitation program for a 45 year old housewife with Rheumatoid arthritis.
2. How will you rehabilitate a 40 year old male bank manager with traumatic D10 incomplete paraplegia?

II. Write notes on:

(8 x 5 = 40)

1. Hip Knee Ankle Foot Orthosis (HKAFO).
2. Levels of amputation in lower limb.
3. Thoracic outlet syndrome.
4. Strategies for prevention of fall.
5. Functional Electrical Stimulation (FES).
6. Concept of Neuro-development therapy.
7. State and Central Government schemes for Persons with Disability.
8. Job placement officer.

III. Short answers on:

(10 x 2 = 20)

1. Pavlick's harness.
2. Mallet finger.
3. Bamboo spine.
4. Stubbies.
5. Buerger's exercise.
6. Parachute reflex.
7. Glossopharyngeal breathing.
8. MET (Metabolic Equivalent Task).
9. Infantile hemiplegia.
10. Volkmann's sign.

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the goals of Cardiac Rehabilitation? Describe the Cardiac Rehabilitation program for a 50 year old male sales executive who is admitted in CCU with recent Myocardial Infarction.
2. How will you Rehabilitate a 45 year old male with bilateral above Elbow amputation?

II. Write notes on:

(8 x 5 = 40)

1. Community based Rehabilitation.
2. Orthostatic hypotension.
3. Congenital Vertical Talus.
4. Cervical orthosis.
5. Barthel Index.
6. Patellar tendon bearing prosthesis.
7. Relaxation techniques.
8. Medical social worker.

III. Short answers on:

(10 x 2 = 20)

1. Dinnerfork deformity.
2. Morton's metatarsalgia.
3. Phocomelia.
4. Pott's spine.
5. Tidal volume.
6. Aeroplane splint.
7. Homan's sign.
8. Labyrinthine righting reflex.
9. Syncope.
10. Bone Mineral Density.

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the Rehabilitation protocol for a 50 year old male school teacher with Right side Hemiplegia of 4 months duration.
2. What are the general principles of amputation surgery in lower extremities? Discuss different prosthetic options of Above Knee Amputation.

II. Write notes on:

(8 x 5 = 40)

1. Rehabilitation management of Neurogenic bladder.
2. Disabilities in Hansen's disease.
3. Duchenne muscular dystrophy.
4. Splints of peripheral nerve injuries.
5. Environmental control devices.
6. Muscle re-education.
7. Terminal devices for upper limb prosthesis.
8. Vocational counselor.

III. Short answers on:

(10 x 2 = 20)

1. Babinski sign.
2. Difference between UMN and LMN type facial Nerve Palsy.
3. Gaenslen's test.
4. Dementia.
5. Purse lip breathing.
6. Definition of Cerebral Palsy.
7. Shoulder impingement syndrome.
8. Ape thumb deformity.
9. Parapodium.
10. Safe position for hand immobilization.

[LQ 6268]

FEBRUARY 2020

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V - REHABILITATION MEDICINE INCLUDING
GERIATRIC MEDICINE**

Q.P. Code : 746268

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the etiopathology and clinical features of Parkinson's disease. Describe the Rehabilitation of a patient with Parkinson's disease.
2. Enumerate the causes of Amputation. Describe the rehabilitation of an Engineer with Traumatic Unilateral below Knee amputation.

II. Write notes on:

(8 x 5 = 40)

1. Circle of Willis.
2. Complications of stroke.
3. Wheelchair.
4. Theories of ageing.
5. Primitive reflexes.
6. Frankel's exercise.
7. Post Polio syndrome.
8. Grading of Pressure Ulcers.

III. Short answers on:

(10 x 2 = 20)

1. Carpal bones.
2. Vital capacity.
3. MRC grading of muscle power.
4. Trendelenburg gait.
5. Parallel bar.
6. Define impairment and disability.
7. Sheltered workshop.
8. Stages of Poliomyelitis.
9. Plantar fasciitis.
10. Boston brace.

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

[LR 1220]

DECEMBER 2020
(AUGUST 2020 EXAM SESSION)
BPT DEGREE EXAMINATION
FOURTH YEAR

Sub. Code: 6268

PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE
Q.P. Code : 746268

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the Rehabilitation program for a 45 year old housewife who sustained Burns injury both Upper Limbs and Neck.
2. How will you Rehabilitate a 40 year old male Chartered Accountant with Traumatic D-12 Paraplegia?

II. Write notes on:

(8 x 5 = 40)

1. Lymphedema Management.
2. Exercise Tolerance Test.
3. Functional Independence Measure.
4. Myoelectric Hand.
5. Milwaukee Brace.
6. Relaxation Techniques.
7. State and Central Government Schemes for Persons with Disability.
8. Clinical Psychologist.

III. Short answers on:

(10 x 2 = 20)

1. Trophic Ulcer.
2. Autism.
3. Automatic Reflex Bladder.
4. Madras Foot.
5. Lasegue Test.
6. Postural Drainage.
7. Tenodesis Splint.
8. Sheltered Workshop.
9. Spina Bifida.
10. Golfer's Elbow.

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

[BPT 0921]

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

Sub. Code: 6268

**BPT DEGREE EXAMINATION
FOURTH YEAR
PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE
*Q.P. Code : 746268***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Identify behavioural problems in the disabled and outline the principles of management.
2. Describe the theories of pain and discuss therapeutic management of pain using various modalities.

II. Write notes on:

(8 x 5 = 40)

1. Principles and mechanism of therapeutic techniques assisting weak muscles.
2. Identify communication problems, classify these.
3. Define myofascial pain syndrome and outline the management.
4. Describe strength duration curve and its significance.
5. Components of wheel chair.
6. Neurogenic bladder.
7. Vestibular rehabilitation.
8. Outline the social implications of disability.

III. Short answers on:

(10 x 2 = 20)

1. CTEV boot.
2. Soft cervical collar.
3. Motor point.
4. Independent living.
5. Flat foot.
6. Reducing spasm.
7. Gait.
8. Gate control theory.
9. VO2 max.
10. Tardy Ulnar nerve palsy.

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

[BPT 0122]

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

Sub. Code: 6268

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR
PAPER V – REHABILITATION MEDICINE INCLUDING GERIATRIC
MEDICINE
Q.P. Code : 746268**

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the Rehabilitation program for a 20-year-old college student with D10 Pott's paraplegia.
2. Define Rehabilitation. What are the team concepts in the management? Discuss the role of each member of the team.

II. Write notes on:

(8 x 5 = 40)

1. Define the term rehabilitation. Explain its aims and principles.
2. Ankle Foot Orthosis (AFO).
3. Universal design.
4. Explain about the various types of mobility aids and their functions.
5. Methods of evaluation for physical dysfunction in Cerebral palsy.
6. Management of disabilities in Arthritis.
7. Explain the principals involved in prescribing orthotic devices for different parts of the Body.
8. Institutional based rehabilitation system.

III. Short answers on:

(10 x 2 = 20)

1. Reciprocating gait orthosis.
2. Boutonniere deformity.
3. Endurance.
4. Adhesive capsulitis.
5. Myoelectric hand.
6. Rigidity and spasticity.
7. Define myofascial pain syndrome.
8. Classificaiton of spinal cord injury by ASIA.
9. Joint mobilization.
10. Partial & total disability.

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

[BPT 0122]

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

Sub. Code: 6290

**BACHELOR OF PHYSIOTHERAPY DEGREE COURSE
FOURTH YEAR- (Regulation from 2017-2018 onwards)
PAPER IV – REHABILITATION MEDICINE
*Q.P. Code : 746290***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Demonstrate methods of evaluation for physical dysfunction and management of disabilities for muscular dystrophy.
2. Explain the principals involved in prescribing orthotic devices for different parts of the body & outline the purpose of each type and list major indications and contraindication.

II. Write notes on:

(10 x 5 = 50)

1. Post-polio syndrome.
2. Co-ordination exercises.
3. Myoelectric hand.
4. Rheumatoid hand deformities.
5. Cardio pulmonary changes in the elderly.
6. Syme's prosthesis.
7. Rehabilitation nurse.
8. Various Sockets for a below knee stump.
9. Postural drainage.
10. Re-education following tendon transfer surgery.

III. Short answers on:

(10 x 2 = 20)

1. SACH foot.
2. Dysarthria.
3. Gower's sign.
4. Repetition Maximum (RM).
5. Modified Ashworth scale.
6. Ape thumb deformity.
7. Phantom limb pain.
8. Four-point Gait.
9. Postural changes in elderly.
10. Intrinsic minus deformity.
