

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

[LQ 1019]

NOVEMBER 2020
(MAY 2020 SESSION)

Sub. Code: 8173

MPT DEGREE EXAMINATION
SECOND YEAR
BRANCH III – PHYSIOTHERAPY IN CARDIO RESPIRATORY
SPECIALITY PAPER II – PHYSIOTHERAPY ASSESSMENT
Q.P. Code : 278173

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about the respiratory muscle physiology, fatigue and its training.
2. Discuss in detail about the body positioning and various systemic changes.

II. Write notes on:

(10 x 6 = 60)

1. Chest trauma.
2. Chyne stock breathing.
3. Hyperventilation syndrome.
4. ICF-Coding.
5. Documentation.
6. Cardio vascular stress test.
7. Sleep apnoea
8. Electro cardiogram.
9. Parameters for fitness testing.
10. Assessment for chest wall deformities.

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

[MPT 0321]

MARCH 2021

Sub. Code: 8173

(OCTOBER 2020 EXAM SESSION)

MPT DEGREE EXAMINATION

SECOND YEAR – (From the Academic Year 2018-2019)

BRANCH III – PHYSIOTHERAPY IN CARDIO - RESPIRATORY

SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT

Q.P. Code : 278173

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Assessment of Brochiectasis.
2. Explain in detail about the various types of training and its normal and abnormal responses of cardiovascular system.

II. Write notes on:

(10 x 6 = 60)

1. Diaphragm paralysis.
2. Breathing mechanism in COPD.
3. Respiratory muscle training for RLD.
4. Types of Congenital Heart Disease.
5. ECG changes in Myocardial Infarction.
6. Parameters for fitness training.
7. RAO and LAO projections.
8. Indications and contra Indications of respiratory and cardio vascular stress test.
9. Complications of coronary angiography.
10. Respiratory dysfunction in children.

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

[MPT 0921]

**SEPTEMBER 2021
(MAY 2021 EXAM SESSION)**

Sub. Code: 8173

**MPT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from 2018-2019)
SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT
BRANCH III – PHYSIOTHERAPY IN CARDIO - RESPIRATORY
*Q.P. Code : 278173***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about Cardiovascular stress testing.
2. Write down the Assessment of Children with respiratory dysfunction.

II. Write notes on:

(10 x 6 = 60)

1. Hypertrophic cardiomyopathy.
2. Significance of Vital signs.
3. Development of lung.
4. Assessment of hypertension.
5. Evaluation of cough.
6. Post-traumatic stress disorder.
7. Abnormal breathing mechanism.
8. Chest wall deformities.
9. Assessment of obstructive sleep apnea.
10. Buerger's disease.

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

[MPT 0222]

**FEBRUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 8173

**MPT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from 2018-2019)
SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT
BRANCH III – PHYSIOTHERAPY IN CARDIO - RESPIRATORY
*Q.P. Code : 278173***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. How will you assess 25 years old female with bronchiectasis?
2. Write in detail about Arterial Blood Gas Analysis.

II. Write notes on:

(10 x 6 = 60)

1. Significance of Electrocardiogram.
2. Rheumatic fever.
3. Sputum.
4. Examination of environment.
5. Risk factors for Ischemic heart Disease.
6. Myxoma.
7. Assessment of Diaphragm.
8. Lymphedema.
9. Cardiovascular stress testing for Paraplegia.
10. Assessment of a neonate.

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

[MPT 0622]

**JUNE 2022
(MAY 2022 EXAM SESSION)**

Sub. Code: 8173

**MPT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from 2018-2019)
SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT
BRANCH III – PHYSIOTHERAPY IN CARDIO – RESPIRATORY
*Q.P. Code : 278173***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail ICF coding.
2. Explain in detail about examination of functional status and activity level.

II. Write notes on:

(10 x 6 = 60)

1. Oedema.
2. Angiography.
3. Respiratory muscle weakness.
4. Physiology of Body positioning.
5. Sputum.
6. Breathing pattern.
7. Palpation.
8. Cough.
9. Shuttle walk test.
10. ABG analysis.

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

[MPT 0223]

**FEBRUARY 2023
(OCTOBER 2022 EXAM SESSION)**

Sub. Code: 8173

**MPT DEGREE EXAMINATION
SECOND YEAR - (Regulations for the candidates admitted from the academic year 2018-2019)
SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT
BRANCH III – PHYSIOTHERAPY IN CARDIO – RESPIRATORY**

Q.P. Code : 278173

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss concept of work of breathing in healthy and diseased.
2. Detail the analysis and process of cardiac assessment by using different clinical methods.

II. Write notes on:

(10 x 6 = 60)

1. Various outcome measures used in respiratory disorders.
2. Discuss biomechanical alterations with ribcage and respiratory muscle dysfunction.
3. Describe tumors of the heart.
4. Write PT assessment for COPD.
5. Explain the oxygen transport system.
6. Pre operative evaluation of patient for pace maker surgery.
7. Interpretations of heart and lung sounds.
8. Code of ethics.
9. Sleep Apnea.
10. Chest imaging.

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

[MPT 0523]

MAY 2023

Sub. Code: 8173

MPT DEGREE EXAMINATION

SECOND YEAR - (Regulations for the candidates admitted from the academic year 2018-2019)

SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT

BRANCH III – PHYSIOTHERAPY IN CARDIO – RESPIRATORY

Q.P. Code: 278173

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe in detail Influence of Psychological Factors on Rehabilitation.
2. Explain in detail about Evidence Based Practice.

II. Write notes on:

(10 x 6 = 60)

1. Microcirculation.
2. Ventilation Perfusion scan.
3. Respiratory fatigue.
4. Body positioning in prone.
5. Difference between obstructive and restrictive lung diseases.
6. Haemoptysis.
7. Abnormal breathing pattern.
8. On observation- chest.
9. Assessment of functional activity.
10. Six minute walk test.

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

[MPT 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 8173

MPT DEGREE EXAMINATION

SECOND YEAR - (Regulations for the candidates admitted from the academic year 2018-2019)

SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT

BRANCH III – PHYSIOTHERAPY IN CARDIO – RESPIRATORY

Q.P. Code: 278173

Time : Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about assessment and monitoring in Intensive care unit.
2. Describe the Physiotherapy assessment of Pneumonectomy patient.

II. Write notes on:

(10 x 6 = 60)

1. Reactive hyperemia test.
2. Objective assessment of patient with Kyphoscoliosis.
3. Abnormal heart sounds.
4. Smoking history assessment.
5. How will you assess Dyspnoea?
6. Describe about Step test.
7. Bed side pulmonary function tests.
8. Deep vein thrombosis.
9. Determinants of work of breathing.
10. Jones criteria.

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

[MPT 0524]

MAY 2024

Sub. Code: 8173

MPT DEGREE EXAMINATION

SECOND YEAR - (Regulations for the candidates admitted from the academic year 2018-2019)

SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT

BRANCH III – PHYSIOTHERAPY IN CARDIO – RESPIRATORY

Q.P. Code: 278173

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write in detail about cardio-respiratory assessment.
2. Explain in detail about physiotherapy assessment for a 35 year old house wife posted for Thoroctomy.

II. Write notes on:

(10 x 6 = 60)

1. Oxygen poisoning.
2. Assessment of respiratory muscle endurance.
3. What is hemodynamics assessment?
4. High intensity interval training (HIIT) program.
5. Non-invasive cardiac diagnosis test.
6. Interpreting an Arterial Blood Gas (ABG).
7. Obesity Hypoventilation syndrome (OHS).
8. Adult respiratory distress syndrome (ARDS).
9. Explain the age related changes in pulmonary system.
10. Explain the Half lying position benefits for respiratory conditions.

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

[MPT 1024]

OCTOBER 2024

Sub. Code: 8173

MPT DEGREE EXAMINATION

SECOND YEAR - (Regulations for the candidates admitted from the academic year 2018-2019)

SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT

BRANCH III – PHYSIOTHERAPY IN CARDIO – RESPIRATORY

Q.P. Code: 278173

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain about the Ribcage movements and its patho-mechanics of movement's assessment.
2. Discuss about sub maximal, maximal and high intensity interval training programs in cardio-respiratory training programs.

II. Write notes on:

(10 x 6 = 60)

1. Surgical wound assessment.
2. Nijmegen questionnaire scoring.
3. Significance of paradoxical respiration.
4. Purpose and need of respiratory Physiotherapy assessment.
5. Abnormal response in cardio-respiratory stress test.
6. Write about Edema and its assessment.
7. Normal and abnormal breath sounds.
8. Assessment of peripheral vascular diseases.
9. Cardio-reparatory fitness principles.
10. Chest X-rays importance.

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

[MPT 0525]

MAY 2025

Sub. Code: 8173

**MPT DEGREE EXAMINATION
SECOND YEAR - (Candidates admitted 2018-2019 onwards)
SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT
BRANCH III – PHYSIOTHERAPY IN CARDIO – RESPIRATORY**

Q.P. Code: 278173

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Elaborate the Physiotherapy assessment of Peripheral arterial disease.
2. How will you assess an eight years old child with respiratory dysfunction?

II. Write notes on:

(10 x 6 = 60)

1. Significance of Ejection fraction.
2. Assessment of Cough.
3. Significance of Vital signs.
4. Subjective assessment of occupational lung diseases.
5. Explain any two fitness tests.
6. Assessment of Angina.
7. Ventilation perfusion ratio.
8. Hyperventilation syndrome.
9. Explain about BODE index.
10. Principles of Evidence based practice.

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

[MPT 1025]

OCTOBER 2025

Sub. Code: 8173

**MPT DEGREE EXAMINATION
SECOND YEAR - (Candidates admitted 2018-2019 onwards)
SPECIALITY PAPER I – PHYSIOTHERAPY ASSESSMENT
BRANCH III – PHYSIOTHERAPY IN CARDIO – RESPIRATORY**

Q.P. Code: 278173

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the invasive and noninvasive investigation of cardiopulmonary system.
2. How will you assess fifty years old male with Bronchial Asthma?

II. Write notes on:

(10 x 6 = 60)

1. Differential diagnosis of chest pain.
2. Assessment of Buerger's disease.
3. Significance of documentation.
4. Assessment of Tactile fremitus.
5. Write about Capnography.
6. How will you assess the muscle power of Diaphragm?
7. Two minute walk test.
8. Respiratory assessment of spinal cord injury patient.
9. Subjective assessment of Obstructive Sleep Apnea.
10. Explain about APGAR score.
