

No. of Printed Pages: 1

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DEPARTMENT OF PHYSIOTHERAPY
SCHOOL OF NURSING SCIENCES & ALLIED HEALTH**

**MPT 2nd YEAR (CARDIOPULMONARY), ANNUAL EXAMINATION, MAY 2024
PHYSIOTHERAPY – II: EXERCISE TESTING AND CARDIOPULMONARY REHABILITATION
(THEORY)**

PAPER CODE: MTC – 266

Time: 3 Hours

Maximum Marks: 75 Marks

(Write your Roll No. on top of the paper immediately)

All sections are compulsory. Draw diagrams wherever necessary. Give examples wherever necessary.

SECTION – A

Answer any **FIVE** of the following:

(5 × 5 Marks = 25 Marks)

- Q1.** VO₂ Max and factors affecting it.
- Q2.** Cardiopulmonary exercise test termination criteria.
- Q3.** Write any one method of determining exercise heart rate.
- Q4.** PFT changes in interstitial lung diseases.
- Q5.** Write the precautions to be followed while prescribing exercises to a patient with diabetes.
- Q6.** Basic ECG wave forms.

SECTION - B

Answer any **TWO** of the following:

(2 × 10 Marks = 20 Marks)

- Q1.** Write a short note on methods, indications, and contraindications of Pharmacological stress testing.
- Q2.** Design an exercise protocol for a 70-year-old patient whose BMI is 28 and has suffered an event of myocardial ischemia 7 days back. His co-morbid conditions include diabetes and hypertension.
- Q3.** Discuss the exercise protocol to be followed for pulmonary hypertension.

SECTION - C

Answer any **TWO** of the following:

(2 × 15 Marks = 30 Marks)

- Q1.** Role of exercises in non-pharmacological treatment of coronary heart diseases.
- Q2.** Design an exercise protocol for a patient who has undergone lung transplant surgery.
- Q3.** Importance of Pulmonary Rehabilitation in obesity related respiratory disorders.
