

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

**MPT 1st YEAR (CARDIOPULMONARY) ANNUAL EXAMINATION, MAY 2023
PHYSIOTHERAPY I: THERAPEUTIC PRINCIPLES AND PRACTICE IN
CARDIOPULMONARY PHYSICAL THERAPY (THEORY)
PAPER CODE: MTC-166**

Time: 3 hours

Maximum Marks: 75

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

*Note: (i) Attempt ALL questions (ii) Choices are mentioned wherever applicable
(iii) Parts of a question must be answered together (iv) Draw diagrams wherever necessary
(v) Give examples wherever necessary*

(SECTION A)

Write short notes on any five of the following

5x5=25 Marks

- Q1) Movement of ribs during breathing.
- Q2) Write the differences in the pulmonary system between an adult and a neonate.
- Q3) Indications for aerosol therapy.
- Q4) Types of hypoxia.
- Q5) Physiological effect of PEEP on the body
- Q6) What is closing volume? Discuss the factors affecting it.

(SECTION B)

Answer any two of the following (Long Answer):

2x10=20 Marks

- Q1) Write a short note about transport of oxygen in blood.
- Q2) Effect of prone position on the body.
- Q3) Explain need and details of Physiotherapy management after pulmonary and abdominal surgeries.

(SECTION C)

Attempt any two out of the following (Essay type answer):

2 x 15=30 marks

- Q1) Explain the changes taking place in the cardiovascular and pulmonary system of the body as a result of ageing.
- Q2) Indications, contraindications and procedure of cardiac transplant.
- Q3) Explain in detail about diseases of the pleura and their physiotherapy management.
