

# Question Paper

Exam Date & Time: 25-Feb-2023 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SEVENTH SEMESTER BACHELOR OF PHYSIOTHERAPY (BPT) DEGREE EXAMINATION - FEBRUARY 2023  
SUBJECT: BPT 407 - CARDIO-PULMONARY PHYSIOTHERAPY I  
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Discuss the indications and contraindication to postural drainage. Explain the procedure to be followed for the postural drainage of the posterior segments of bilateral lower lobes. (20)  
(4+4+12 = 20 marks)
- 2) Mention neurophysiological facilitation techniques for the chest and Explain any four techniques in detail. (20)  
(8+12 = 20 marks)
- 3) Discuss the indications, complications, and procedure for endotracheal suctioning. (10)  
(2+2+6 = 10 marks)
- 4) Mention any four modes of mechanical ventilation. Explain the criteria for Weaning the patient from mechanical ventilation. (10)  
(4+6 = 10 marks)
- 5A) Explain strategy to reduce ventilator associated pneumonia. (5)
- 5B) Explain the physiotherapy management of a patient with traumatic brain injury in critical care unit. (5)
- 5C) Explain the process for interpreting an Arterial Blood Gas(ABG) report. (5)
- 5D) Explain Autogenic drainage technique. (5)
- 5E) Explain high flow oxygen delivery system. (5)
- 5F) Discuss the effects of gravity on cardiopulmonary function and oxygen transport. (5)
- 6A) Name two life threatening arrhythmia. (2)
- 6B) Mention any two drugs to treat breathlessness. (2)
- 6C) Mention types of heat moisture exchanger. (2)
- 6D) Name the collateral ventilation channels of the lung. (2)
- 6E) Mention any two radiological findings in pleural effusion. (2)

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# Question Paper

Exam Date & Time: 27-Feb-2023 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SEVENTH SEMESTER BACHELOR OF PHYSIOTHERAPY (BPT) DEGREE EXAMINATION - FEBRUARY 2023  
SUBJECT: BPT 409- COMMUNITY PHYSIOTHERAPY I  
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Enumerate the various models of disability. Explain in detail the International Classification for Functioning, Disability & Health with an example. (10)
- 2) A 28-year-old female client with a history of 2 years post-traumatic complete spinal cord injury, T9 to L1 compression fracture that has healed wants to re-join the firm she was working as a lawyer. In detail, explain the evaluation and management of the client with mention about assistive technology needed, home and workplace modification, caregiver training, self-care management. (10)
- 3A) Write a note on implications of Rights of Persons' with Disabilities Act, 2006 for Physiotherapy. (5)
- 3B) Draw the Community Based Rehabilitation matrix and give two advantages of using the matrix (5)
- 3C) Explain the various approaches used in rehabilitation in the community (5)
- 3D) Using two methods to disseminate awareness about Chronic Obstructive Pulmonary disease as a consequence of smoking, plan a Community Based Rehabilitation program (5)
- 4A) Mention TWO demerits of Permanent Physical Impairment evaluation (2)
- 4B) Name TWO stakeholders in a Community Based Rehabilitation program (2)
- 4C) Mention TWO uses of monitoring and evaluation of a Community Based Rehabilitation program (2)
- 4D) Mention TWO difference between Community Based Rehabilitation program and Community outreach program (2)
- 4E) Mention TWO principles of Community Based Rehabilitation (2)

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