

**MANIPAL ACADEMY OF HIGHER EDUCATION****FOURTH YEAR B.P.T. DEGREE EXAMINATION – MARCH 2021****SUBJECT: PHYSIOTHERAPY IN CARDIOPULMONARY AND GENERAL CONDITIONS  
(2015 REGULATION)**

Saturday, March 27, 2021

Time: 10:00 – 13:00 Hrs.

Maximum Marks: 80

**Answer all questions:****1. Essay:**

1A. Physiotherapy assessment plan for peripheral vascular diseases. How will you manage a patient who has developed venous ulcer on the sole of the left foot?

(5+5 = 10 marks)

1B. Discuss the pulmonary rehabilitation program for a 48 year male patient diagnosed with COPD.

(10 marks)

**2. Short Notes:**

2A. Postural drainage therapy in acute head injury patients.

2B. Modes of mechanical ventilation.

2C. Post operative physiotherapy management for a 56 year old female who has undergone radical mastectomy.

2D. Elaborate active cycle breathing technique.

2E. Post operative physiotherapy management after reconstructive surgery for buccal carcinoma.

2F. Weaning criteria for mechanical ventilation.

2G. Incentive Spirometer

2H. Pulmonary function changes in restrictive and obstructive lung diseases.

(5 marks × 8 = 40 marks)

**3. Brief answers:**

3A. Different types of artificial airways.

3B. What is BIPAP?

3C. List out the grades of clubbing.

3D. What is Jacobson's relaxation technique?

3E. Define hypoxia and hypoxemia.

3F. **Any two** Complications of endo tracheal suctioning.

3G. **Any two** complications following upper abdominal surgery.

3H. What is equal pressure point?

3I. TNM classification for bronchogenic carcinoma.

3J. Mention the causes of cyanosis.

(2 marks × 10 = 20 marks)

