

Third Year BPT Degree Supplementary Examinations June 2024**Physiotherapy in Cardio-Respiratory Disorders and Intensive Care Management****(2016 Scheme)****Time: 3 Hours****Total Marks: 100**

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays: (2x15=30)

1. Define Cardiac rehabilitation. Explain four phase of rehabilitation in detail.
2. Explain in detail about modes of mechanical ventilation. Add a note on humidifiers and weaning criteria for mechanical ventilation.

Short notes (4x10=40)

3. Explain neurophysiological facilitation of respiration.
4. List the indications for valve replacement surgeries. Briefly explain physiotherapy management following valve replacement surgeries.
5. What is exercise tolerance testing. Explain maximal exercise testing protocol in detail.
6. Explain forced expiratory techniques in detail.

Answer briefly: (10x3=30)

7. Physiotherapy techniques for sputum clearance.
8. Define clubbing. Explain grade of clubbing
9. Ventilation perfusion ratio.
10. Aspiration pneumonia.
11. Name muscles of respiration.
12. Indications for pulmonary function test.
13. Broncho plural fistula.
14. Corpulmonale.
15. Autogenic drainage.
16. Four Complications following oxygen therapy.
