

# 2012 Scheme

QP CODE: 414014

Reg. No.....

## Fourth Year BPT Degree Supplementary Examinations July 2025

Physiotherapy in cardio respiratory and intensive care management

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:

(2x14=28)

1. Explain physiotherapy techniques to clear lung secretion.
2. Detail a post-Coronary Artery Bypass Grafting (CABG) cardiac rehab program, highlighting the physiotherapist's role in boosting cardiovascular recovery, strength, and quality of life for patients three months post-surgery.

### Short essays:

(4x8=32)

3. Cardio pulmonary resuscitation.
4. Role of physiotherapy in peripheral vascular diseases.
5. Difference between active cycle of breathing technique and autogenic drainage.
6. Explain how physiotherapists distinguish between obstructive and restrictive lung diseases and, outline the unique assessment and intervention approaches for each condition.

### Answer briefly:

(10x4=40)

7. Ventilation-perfusion ratio.
8. Incentive spirometer.
9. Barrel chest deformity.
10. Physiology behind heart sounds.
11. Enumerate the various types of suction techniques.
12. Karvonen's formula.
13. Grading of pressure sores.
14. Contraindications for postural drainage.
15. Metabolic acidosis and alkalosis in physiotherapy perspective.
16. Difference between coughing and huffing techniques.

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