

# **2012 Scheme**

**QP CODE: 414014**

**Reg. No.....**

## **Fourth Year BPT Degree Supplementary Examinations**

**October 2021**

**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 the physiotherapy management following lobectomy for a patient diagnosed with carcinoma of the lungs.
2. Discuss the monitoring system in cardiac care units. What is the role of a physiotherapist in ICU care.

**Short essays:**

**(4x8=32)**

3. Describe the postural drainage positions for the segments of left lower lobe of the lung. Add a note on the merits and demerits of postural drainage.
4. Explain the indications of oxygen therapy. Add a note on low-flow and high-flow delivery systems.
5. Based on the principles of exercise training, design an exercise program for a 57-year-old diabetic patient.
6. Explain the importance of arterial blood gas analysis. Give the normal ranges for the ABG parameters.

**Answer briefly:**

**(10x4=40)**

7. Forced vital capacity- definition and significance.
8. Indications of neuro physiological facilitation of respiration.
9. Mention two complications of mechanical ventilation. Mention any two weaning criteria.
10. Distinguish between bronchial and vesicular breath sounds.
11. ECG changes in myocardial infarction.
12. Name any four peripheral vascular diseases.
13. Pre-load and after-load.
14. Indications and stages of cardiac rehabilitation.
15. Phases of an effective cough.
16. Mention any four immediate physiological responses to aerobic exercise.

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