

Q.P.Code: 202378

Reg. No.:.....

**Second Year MPT Degree Supplementary Examinations - March 2013**

**Physiotherapy in Cardiorespiratory**

**Time: 3 hrs**

**Max marks : 100**

- Answer all questions

**Essays:**

**(2x20=40)**

1. Define pulmonary rehabilitation and mention its indications. Explain the components of pulmonary rehabilitation. List the importance of activity modifications in pulmonary rehabilitation.
2. A 28 years old male met with road traffic accident suffered with head injury. He is admitted in Intensive care unit, connected with mechanical ventilator with CMV mode. Explain the role of physiotherapy in assessing and managing this patient. Mention the importance of monitoring during physiotherapy care. What are the precautions to be taken while managing this patient.

**Short essays:**

**(6x10=60)**

3. Mention the indications for ABG analysis and the normal values for various parameters. Explain the importance of ABG finding in designing the physiotherapy programme.
4. Exercise prescription for a 48 old male with diabetes mellitus, with overweight.
5. Define intermittent claudication. Explain the pathophysiology and explain any two exercises to reduce intermittent claudication .
6. Oxygen therapy - indications, complications and methods of administration
7. Define cough. Explain the stages of cough and discuss any two type of assisted cough.
8. What is isothermic saturation boundary (ISB). Explain the various factors responsible for maintaining ISB. Mention the techniques used by physiotherapists to maintain ISB at ideal level.

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