

QP Code: 213378

Reg. No.....

**Second Year MPT Degree Regular/Supplementary Examinations  
March 2021**

**Paper III – Cardio Respiratory Physiotherapy  
(2016 Scheme)**

Time: 3 hrs

Max. 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*

**Essays**

**(2x20=40)**

1. Define cardiac rehabilitation. Describe the phases of cardiac rehabilitation. Explain the process of phase I and phase II cardiac rehabilitation. Mention the precautions to be taken while prescribing exercise during cardiac rehabilitation. Mention the ECG changes predicted in patients with coronary artery disease. (2+4+8+4+2)
2. Discuss the role of physiotherapy in mechanically ventilated patient, who suffered head injury and managed conservatively. At present he is on CMV mode. Explain the process of endo tracheal suctioning. Discuss the importance of early mobilization. (10+5+5)

**Short Notes:**

**(10x6=60)**

3. Define pulmonary rehabilitation. Explain the physiotherapy techniques used to reduce work of breathing during pulmonary rehabilitation (1+5)
4. Discuss indications, advantages and disadvantages of six-minute walk test
5. Explain the points to be considered while selecting airway clearance techniques
6. Differentiate peripheral arterial and venous disorders
7. Mention the lung volume expansion techniques. Discuss any two in detail
8. Explain the role of physiotherapy in preventing postoperative pulmonary complications
9. Discuss the importance of subjective assessment in clinical decision making
10. Explain the process of gaseous exchange
11. Mention the indications for pulmonary function tests and explain any two parameters used to identify airway function
12. Discuss the role of humidification in airway clearance

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