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Rajiv Gandhi University of Health Sciences, Karnataka

Master of Physiotherapy Degree Examination - 16-Dec-2020

[Time: 3 Hours] **[Max. Marks: 100]**

CARDIO RESPIRATORY DISORDERS (RS-2)

Q.P. CODE: 8126

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. A 63 old female who is a case of left lower lobe bronchiectasis and Type II respiratory failure is admitted in ICU. She is mechanically ventilated under following settings : Fi02: 40%, PEEP :6cmH2O, Mode: SIMV, Trig: 1.2 Vitals are as follows: HR : 90bpm, RR: 22 breaths/min, BP : 130/90mmHg. Identify the impairments and plan a detailed evidence based PT management based on your assessment findings.

2. Outline and explain phase II Cardiac rehabilitation post myocardial infarction, based on the Goals, Evaluation, Exercise prescription and patient education.

3. Explain in detail the Biomechanics of Respiration and its implications in respiratory physiotherapy.

4. Explain the physiological rationale and clinical application of Active Cycle Breathing technique.

5. Plan a pulmonary rehabilitation programme for a 35 year old male who is a chronic smoker and its diagnosed with COPD.

6. Plan an exercise prescription programme for a 60 year old male diagnosed with Ischemic Heart disease.

7. Criteria for weaning from mechanical ventilation. Explain in detail any three weaning modes.

8. List down the risk factors for peripheral vascular diseases and discuss the prevention measures.

9. Describe the various outcome measures used in Respiratory disorders along with its psychometric properties.

10. Explain Hotter monitoring and its implications for physiotherapy.

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