

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.P.T. Degree Examination - Sep 2012

Time: Three Hours

Max. Marks: 100 Marks

CARDIORESPIRATORY & GENERAL PHYSIOTHERAPY

(RS-3 & RS-4)

Q.P. CODE: 2718

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. A 49 years old male posted for Coronary Artery Bypass Graft. He is a known smoker for the past 29 years. Explain the role of physiotherapy in managing this patient. (Pre and Post operative management)
2. Define Pulmonary Rehabilitation. Mention the indications. Explain the various components of pulmonary rehabilitation programme (2+2+6)
3. Explain the role of physiotherapy in intensive care unit in the following headings: Indications, Contraindications and Physiotherapy techniques used in ICU (2+2+6)

SHORT ESSAYS (Answer any Twelve)

12 x 5 = 60 Marks

4. Mention the indications for pulmonary functions tests. Define FVC, FEV1 and FEV1/FVC (2+3)
5. What is the role of physiotherapy in cancer pain?
6. Mention the goals of various phases of cardiac rehabilitation. Explain phase two (2+3)
7. Explain the importance of antenatal exercises
8. How will you manage a 42 years old male underwent below knee amputation 2 days ago?
9. How will you prescribe exercise for 46 old house wife diagnosed with non insulin dependent diabetes?
10. Name the pelvic floor Muscles. Explain the methods to measure pelvic floor muscle strength
11. Compare active cycle of breathing with autogenic drainage
12. How will you plan the physiotherapy management of 65 years old male, with history of COPD, had undergone emergency upper abdominal surgery?
13. What is an Ulcer? How will you differentiate Venous ulcer from Arterial ulcer? (1+4)
14. What is isothermic saturation boundary? Mention the indications and importance of Humidification in a mechanically ventilated patient
15. What is Pneumothorax? Explain the physiotherapy assessment procedure of patient with right sided Pneumothorax
16. Mention the goals of physiotherapy in managing a person following Pneumonectomy. What is importance of positioning in managing and preventing Pneumonectomy complications? (2+3)
17. What is the role of physiotherapy in Psoriasis?

SHORT ANSWERS

10 x 2 = 20 Marks

18. Any two types of Dyspnea
19. Any two characteristics of a normal ECG waveform
20. Ventilation Perfusion ratio
21. Endotracheal Tube – types
22. Peri oral Stimulation – technique
23. Any four indications for Cardio Pulmonary Exercise testing
24. Name the muscles of respiration
25. Continuous Positive Airway Pressure (CPAP)
26. Deep breathing exercise – Any four indications
27. Mention any four fitness tests used in the field