



# Rajiv Gandhi University of Health Sciences, Karnataka

Final year B.P.T. Degree Examination — SEP-2018

Time: Three Hours

Max. Marks: 100 Marks

Physiotherapy in General Medicine Including Cardio Thoracic Medicine - (OS, RS &amp; R52)

Q.P. CODE: 2170

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**LONG ESSAYS (Answer any Four)****4 x 10 = 40 Marks**

1. A 56 year old male diagnosed with COPD, referred for physiotherapy with the chief complaints of breathlessness and productive cough. How will you identify the problem list on the basis of your assessment? Explain the physiotherapy techniques used to reduce breathlessness.
2. Write the classification of peripheral vascular diseases. Explain the clinical features and physiotherapy management of varicose veins.
3. A 25 year old pregnant antenatal program for her. Explain the importance of exercises in pregnancy.
4. What is psoriasis? Write the etiology, pathophysiology and clinical features of psoriasis. Explain the physiotherapy management of the same.
5. Define Ankylosing Spondylitis with its etiology and clinical features. List the common deformities occurring in Ankylosing Spondylitis. Brief about the physiotherapy management for the same.

**SHORT ESSAYS (Answer any Eight)****8 x 5 = 40 Marks**

6. Define and classify respiratory failure. Write the physiotherapy management of any one type of respiratory failure.
2. Define inflammation. Explain the management of acute inflammation.
8. Explain the role of Faradism under pressure in the treatment of lymphedema of left upper limb.
9. Write a note on mechanical ventilation and its modes.
10. List the inspiratory muscles of respiration. Briefly write the exercises to increase strength of inspiratory muscles.
11. What is cyanosis? List the types of cyanosis. Write the pathophysiology behind peripheral cyanosis with examples.
12. Write a note on principles of aerobic exercises. Plan an exercise prescription for a obese person with a Body Mass Index (BMI) -31
13. Write a note on Autogenic drainage. List its indication and the disadvantages.
14. List the risk factors of coronary artery disease. Mention ways to prevent them.
15. State any five anatomical and physiological differences between adult and paediatric lungs.

**SHORT ANSWERS****10 x 2 = 20 Marks**

16. Give two clinical features of Vitamin C deficiency.
17. How will you calculate Karvonen's formula?
18. What is Bronchopleural fistula?
19. List any four Proprioceptive neuromuscular facilitation of respiration.
20. Borg scale of perceived exertion
21. What is alopecia? What is treatment dose of UVR in alopecia?
22. What are the indications of Kegel's exercises?
23. What is the difference between coughing and huffing?
24. Diastasis Recti
25. List cyanotic heart diseases.