

B.Sc. RESPIRATORY THERAPY
(New Syllabus 2014-2015)

THIRD YEAR

PAPER IV – CARDIO PULMONARY REHABILITATION

Q.P. Code: 802619

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Explain BODE index.
2. Mention the team members of pulmonary rehabilitation and explain their role.
3. Define postural drainage and mention the indications and contraindications for postural drainage.

II. Write notes on:

(8 x 5 = 40)

1. Explain active cycle of breathing.
2. List any five examples of educational topics in pulmonary rehabilitation.
3. Write Borg scale and its clinical uses.
4. Bronchopulmonary segments.
5. Write about incremental shuttle walk test.
6. Write briefly about generic questionnaire used to assess health related quality of life in patients with chronic respiratory disease.
7. Write in detail about the program duration, frequency, and specificity of exercise training.
8. Define pulmonary rehabilitation by ATS and ERS guidelines.

III. Short answers on:

(10 x 3 = 30)

1. Glossopharyngeal breathing exercise.
2. Positive Expiratory Pressure (PEP) device.
3. Mention the field tests done to measure exercise capacity.
4. Physiology of pursed lip breathing technique.
5. Indications for 6 minute walk test.
6. Define quality of life.
7. Mention the team members of cardiac rehabilitation.
8. What are the important patient-centered outcomes in pulmonary rehabilitation?
9. Mention the exclusion criteria for pulmonary rehabilitation.
10. How would you estimate the loss of fat free mass in patients with chronic respiratory disease?