

BOT DEGREE EXAMINATION
(Regulations for the candidates admitted from 2014-2015 onwards)
FOURTH YEAR
PAPER V – CLINICAL CARDIO RESPIRATORY AND WORK
PHYSIOLOGY

Q.P. Code: 786189

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Define heart failure. Discuss the causes, clinical features, investigations and treatment.
2. Describe the clinical features, types, complication, diagnosis and management of Pneumothorax.

II. Write notes on: **(8 x 5 = 40)**

1. Muscles of respiration.
2. Sneeze reflex.
3. Exercise testing: Indications and physiological principles.
4. Cor-pulmonale: causes, clinical features and diagnosis.
5. Pneumoconiosis.
6. Describe the acute changes in respiratory rate, pulmonary ventilation, and pulmonary blood flow with exercise.
7. Heart lung machine.
8. Postural drainage.

III. Short answers on: **(10 x 2 = 20)**

1. Pulmonary function test.
2. Respiratory acidosis.
3. Deep Vein Thrombosis (DVT).
4. Emphysema.
5. Shunt reversal.
6. Indication for tracheal intubation.
7. Hazards of smoking.
8. Intermittent Positive Pressure Breathing.
9. List the sources of energy for different intensities and duration of exercise.
10. Syncope.