

[LE 6169]

FEBRUARY 2014

Sub. Code : 6169

**FOURTH YEAR BOT EXAM**

**PAPER V - CLINICAL CARDIO RESPIRATORY AND WORK  
PHYSIOLOGY**

*Q.P. Code: 786169*

**Time: Three hours**

**Maximum : 100 marks**

**I. Elaborate on: (2x20 = 40)**

1. Define bronchiectasis. Discuss the causes, clinical features, complications and management.
2. Define heart failure. Discuss the causes, clinical features, investigations and treatment.

**II. Write Notes on: (8x5 = 40)**

1. Contractility of myocardium.
2. Postoperative management of patients after Tracheostomy.
3. Atrial Septal defect.
4. Principles of functions of various ventilators.
5. Bronchopneumonia
6. Management of injury to heart and great vessels.
7. Principles of cardiovascular stress testing.
8. Variations in heart rate during exercise.

**III. Short Answers on: (10x2 = 20)**

1. Stove in chest.
2. Causes of haemothorax.
3. Definition of COPD
4. Clinical findings in pulmonary stenosis.
5. Uses of defibrillators.
6. Enumerate pulmonary function tests.
7. Functions of respiratory centres
8. Pump handle mechanism.
9. Enumerate factors affecting lung compliance.
10. Clinical findings in Coarctation of aorta.

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