

**Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore- 641043.**

**Continuous Internal Assessment Test –I February -2025
SEMESTER - V**

**Class: III UG
Major: (BPT)**

**Time: 2hours
Max. Marks: 60**

22BPTC31 – Clinical Cardio-Respiratory Diseases

Course outcome:

- CO1: Knowledge about the cardiac conditions pathology like infectious diseases ischemic diseases
CO2: Learn the Lung infections and diseases its pathology are clearly studied
CO3: Understand the Cardiopulmonary resuscitation, uses of defibrillators
CO4: Know the Chest deformities and spinal deformities
CO5: Knowledge about the movements and muscles responsible for respiration and thoracic cage

Part A

Choose the correct answer

6x1=6

1. The normal tidal volume in an average adult **CO1 K3**
A. 100 mL B. 300 mL C. 500 mL D. 1000 mL
2. The trachea divides into two main bronchi at which vertebral level **CO1 K3**
A. C6 B. T4-T5 C. L1 D. T10
3. Part of the lung is the primary site of gas exchange **CO1 K3**
A. Bronchi B. Bronchioles C. Alveoli D. Pleura
4. The main artery that supplies oxygenated blood to the body **CO1 K3**
A. Pulmonary artery B. Aorta C. Superior vena cava D. Inferior vena cava
5. The QRS complex in an ECG corresponds to which cardiac event **CO1 K3**
A. Atrial depolarization B. Ventricular depolarization C. Ventricular repolarization
D. Atrial repolarization
6. The normal range of pH in arterial blood **CO1 K3**
A. 6.8 – 7.0 B. 7.35 – 7.45 C. 7.50 – 7.60 D. 7.0 – 7.2

Part – B

Answer should not exceed 400 words or two pages

3 x 6=18

7. a) Describe muscles of respiration(or) **CO1 K2**
b) Explain the lung volumes **CO1 K2**
8. a) Describe ventilation perfusion (or) **CO1 K2**
b) Define blood supply of the heart **CO2 K2**
9. a) Applications of ABG (or) **CO2 K2**
b) Describe Heart sounds **CO3 K2**

Part C

Answer should not exceed 800 words or four pages 3x12=36

10. a) Define regulation of respiration(or) **CO3 K2**
b) Define in detail about conducting system of the heart **CO3 K2**
11. a) Explain in detail about stress testing and its principle (or) **CO4 K2**
b) Describe pulmonary circulation **CO4 K2**
12. a) Explain the ischemic heart disease(or) **CO5 K3**
b) Describe spirometer and lung function test **CO5 K2**

Copies : 33

NAME OF THE STAFF: Ms.KALESWARI