



## Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category A by MHRD, Estd. u/s 3 of UGC Act 1956) Re-  
accredited with A++ Grade by NAAC. Recognised by UGC Under Section 12 B Coimbatore -  
641 043, Tamil Nadu, India

### Continuous Internal Assessment I – February 2025

**Class: III UG**

**Major: Physician Assistant**

**Time: 2 hours**

**Max. Marks: 60**

#### 22BPAC34 - Respiratory

#### Course outcomes:

1. Understand the basics of anatomy and physiology of respiratory system, thoracic cavity, body fluids, blood.
2. Know the importance of assessment and diagnostic procedures, invasive techniques in respiratory system.
3. Understand the respiratory diseases and chest wall diseases.
4. Provide students insight into drug and intensive care management of respiratory system.
5. Aware of various surgical procedures and post operative rehabilitative management of respiratory system.

#### Part-A

**6x1=6**

#### Choose the correct answer

1. The carbon dioxide produced in the tissues is transported to the lungs as  
a. carbonates b. bicarbonates c. dissolved in the blood d. attached to haemoglobin CO1K1
2. Control of respiration occurs in the  
a. Medulla Oblongata b. Mid Brain c. Hypothalamus d. Pons CO1K1
3. Cough with sputum expectoration is  
a. Unproductive b. productive c. Phlegm d. Hemoptysis CO2K1
4. The condition is determined as an abnormally uncomfortable awareness of breathing,  
which is accompanied by respiration rate, rhythm, and depth disorders is called  
a. Dyspnea b. Heart failure c. Bronchial Asthma d. Wheezing CO2 K1
5. The progressive, genetic disease that causes persistent lung infections is  
a. Lung cancer b. Cystic fibrosis c. Bronchitis d. Emphysema CO3 K1
6. This type of medication relaxes and opens constricted bronchi.  
a. Antitussives b. Mucolytics c. Corticosteroids d. Methylxanthines CO3 K1

#### Part B

**3X6=18**

#### Answer the following

#### Answer should not exceed 400 words or two pages

7. a. Describe the mechanics of respiration. (or) CO1 K2
7. b. Explain about the Neural and Chemical regulation of respiration.
8. a. Discuss about the auscultation of Lung sounds (or) CO2 K2
8. b. Describe the basic principles and concepts of thoracic imaging and Spirometry.
9. a. Explain about Bronchial asthma. (or) CO3 K2
9. b. Express your view about the Pulmonary vascular disease.

#### Part C

**3x12=36**

#### Answer the following

#### Answer should not exceed 800 words or four pages

10. a. Explain in detail about the Upper respiratory tract, Lower respiratory tract with suitable diagram. CO1 K3  
(or)
10. b. Describe about Pulmonary circulation and Muscles of respiration.
11. a. Enumerate the Physical assessment of Respiratory system. CO2 K3  
(or)
11. b. Discuss about various diagnostic measures and techniques used in Respiratory system disorders.
12. a. Define, etiology, pathogenesis, clinical features, complications, conservative and surgical management of COPD. (or) CO3 K3
12. b. Describe the diseases of pleura and Pulmonary TB.

**All the best**

**No of copies: 56**

**Name of the Faculty: Mrs. Ramya.P**