

PAPER CODE: AHS16012

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TELANGANA, WARANGAL – 506 002

B.Sc. (ALLIED HEALTH SCIENCES), SECOND YEAR DEGREE EXAMINATIONS: MAY, 2025

RESPIRATORY THERAPY TECHNOLOGY

PAPER-III

**PATHOPHYSIOLOGY OF RESPIRATORY DISEASES, CLINICAL MICROBIOLOGY,
RESPIRATORY CARE EQUIPMENT, BIOSTATISTICS AND RESEARCH METHODOLOGY**

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark
Color pencil.

Write an essay on any TWO of the following questions:

2 X 10 = 20

1. Write in detail about types of Tracheostomy and procedure of tracheostomy.
2. Adult respiratory distress syndrome – pathogenesis, ventilatory and non-ventilatory management.
3. Role of spirometry in evaluation of a patient presenting with breathlessness.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Lung Abscess and its management.
5. Chronic obstructive lung disease management.
6. Multi drug resistance.
7. Different culture medium and its uses.
8. Ventilation perfusion mismatch.
9. Indications of long-term oxygen therapy.

Write briefly on the following:

10 X 3 = 30

10. Write five causes of Haemoptysis.
11. Steps of cardiopulmonary resuscitation.
12. Indications of ABG.
13. CURB-65 scoring.
14. Ventilator associated pneumonia.
15. Non rebreathing mask uses.
16. Temperature measurement methods.
17. Parasites causing disease in respiratory system.
18. Human metapneumovirus.
19. Type I respiratory failure.
