

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA, WARANGAL – 506 002**

**B.Sc. (Allied Health Sciences), SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS:
OCTOBER, 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: Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark
Color pencil.

Write essay on any TWO of the following questions:

2 X 10 = 20

1. Write in detail about Pneumothorax and management.
2. Write about the judicious use of antibiotics and the dangerous effects in improper use of them.
3. Write in detail about Acid fast bacilli and staining techniques used for the identification of Bacilli.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Central venous catheterization.
5. Emergency drugs in ICU.
6. Epidemiology and causes of lung cancer.
7. Community acquired pneumonia.
8. Respirators- types and uses.
9. Maintenance of ICU equipment.

Write briefly on the following:

10 X 3 = 30

10. Extra corporeal membrane oxygenation.
11. Venturi mask – types and uses.
12. Handwash technique and its importance.
13. Cough etiquette.
14. Different colours in oxygen cylinders and uses.
15. Charts in ICU.
16. Ryle's tube feeding.
17. Gram positive organisms.
18. High flow nasal cannula.
19. Drugs used for Nebulization and mechanism of action.
