

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 an essay on any TWO of the following questions:

2 X 10 = 20

1. Mechanical Ventilator- Discuss types, uses, trouble shooting and maintenance of the equipment.
2. Role of spirometry in evaluation of a patient presenting with breathlessness.
3. Approach to a patient with acute exacerbation of Bronchial asthma.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Acid fast bacillus.
5. Bronchiectasis.
6. Ventilator associated Pneumonia.
7. Broncho Alveolar lavage.
8. Pulmonary edema.
9. Type I Respiratory failure.

Write briefly on the following:

10 X 3 = 30

10. Case control study.
11. Haemoptysis.
12. Restrictive lung disease.
13. Empyema.
14. Part of Nebuliser.
15. Respiratory causes of cyanosis.
16. C.T pulmonary angiogram - Indications.
17. Apnoea- Hypopnoea index.
18. Tidal volume.
19. Platypnea.
