

B.Sc. RESPIRATORY THERAPY

SECOND YEAR

**PAPER III – DIAGNOSTIC TECHNIQUES IN CARDIO
RESPIRATORY DISEASES**

Q.P. Code: 802613

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on:

(3 x 10 = 30)

1. Role of Spirometry in assessment of patients presenting with breathing difficulty.
2. Limited channel sleep study.
3. Thoracoscopy.

II. Write Notes on:

(8 x 5 = 40)

1. FENO.
2. N-terminal Pro B type Natriuretic Peptide.
3. Echocardiogram in Pulmonary Diseases.
4. ECG monitoring in ICU / HDU.
5. Bronchoalveolar Lavage.
6. Diffusion capacity.
7. Leak test in Bronchoscopy.
8. Investigations to confirm the diagnosis of Pneumothorax.

III. Short Answers on:

(10 x 3 = 30)

1. Sputum smear for AFB.
2. Causes of Failure to record SpO₂ by Pulse Oximeter.
3. ABG findings in Type 2 Respiratory failure.
4. BODE index.
5. Diagnostic utility of Chest Ultrasound in ICU.
6. ABG findings in Obesity hypoventilation syndrome.
7. Nocturnal Pulse Oxymetry.
8. Steps in Disinfection of Bronchoscope.
9. Indications of Thoracoscopy.
10. Indications of Radial EBUS.
