

PAPER CODE: AHS16010

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA, WARANGAL – 506 002

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

RESPIRATORY THERAPY TECHNOLOGY

PAPER-I

CLINICAL ANATOMY, PHYSIOLOGY, INTRODUCTION TO RESPIRATORY THERAPY TECHNOLOGY

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 the neural and chemical regulation of respiration.
2. Explain Cardiac cycle in detail with diagram.
3. Difference between right and left lung. Mention the segments of the lung.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Write about vital signs and its significance.
5. Lung volumes and capacities.
6. Muscles of Respiration.
7. Waves and segments in ECG.
8. Oxygen dissociation curve.
9. Describe the Pericardium.

Write briefly on the following:

10 X 3 = 30

10. Name the surfactant present in the Alveoli. What is its function?
11. Openings of the diaphragm.
12. Define the Blood pressure and give the normal value.
13. Structures seen in nasopharynx.
14. Respiratory membrane.
15. Define Mediastinum and mention the structures present in it.
16. What is the term Hypoxia? Give two causes.
17. List the forms in which oxygen is transported in the blood.
18. List the causes of obstructive and restrictive lung diseases.
19. Importance of Carina.
