

PAPER CODE: AHS18010

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA, WARANGAL – 506 002

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

CRITICAL CARE TECHNOLOGY

PAPER-I

APPLIED ANATOMY & PHYSIOLOGY

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. Name the respiratory muscles and explain in detail about physiology of breathing.
2. Mention in detail about cardiac cycle along with diagram.
3. Describe anatomy of Laryngopharynx along with neat labelled diagram.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Lung volumes and capacities.
5. Blood supply of heart.
6. Brain death.
7. Types of Pneumonia and clinical features.
8. Confirmation of ET tube position.
9. Basic physics of X-ray and how will you assess film quality?

Write briefly on the following:

10 X 3 = 30

10. Oropharyngeal airways.
11. Functions of Adrenal gland.
12. Mean arterial blood pressure.
13. Causes of raised Intracranial pressure.
14. Function of pancreas.
15. Pulmonary edema.
16. Anatomy of Thyroid gland.
17. Stroke Volume.
18. Prevention of Nosocomial infections.
19. Indications of Intubation.
