

**PAPER CODE: AHS18010**

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES**

**TELANGANA STATE, WARANGAL – 506 002**

**B.Sc. (Allied Health Sciences), SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS:  
OCTOBER, 2025**

**CRITICAL CARE TECHNOLOGY**

**PAPER I**

**APPLIED ANATOMY & PHYSIOLOGY**

**Time: 3 Hours**

**Max Marks: 80**

**Note:** Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark  
Color pencil.

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**Write essay on any TWO of the following questions:**

**2 X 10 = 20**

1. Describe Coronary circulation. Mention applied aspects of it.
2. Describe gross anatomy of Liver and mention two applied aspects.
3. Define Heart rate. Explain the regulation of heart rate in detail. Add a note on physiological variations of heart rate.

**Write a short note on any FIVE of the following:**

**5 X 6 = 30**

4. Mention attachments and action of intercostal muscles.
5. Costodiaphragmatic recess of Pleura.
6. Name branches of Aorta.
7. Functions of Hypothalamus.
8. Short term regulation of blood pressure.
9. Explain composition and secretion of gastric juice.

**Write briefly on the following:**

**10 X 3 = 30**

10. Mention parts of Urinary bladder.
11. Name parts of Brain.
12. Mention muscles of Tongue
13. Mention the blood supply of spinal cord.
14. Write applied aspect of Laryngopharynx.
15. Surfactant.
16. Functions of saliva.
17. Tidal Volume.
18. Properties of cardiac muscle.
19. Pupillary reflex.

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