

PAPER CODE: AHS13010

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA, WARANGAL – 506 002

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

CARDIAC AND CARDIOVASCULAR TECHNOLOGY
PAPER-I
APPLIED ANATOMY, PHYSIOLOGY AND PHARMACOLOGY RELATED TO
CARDIOVASCULAR 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. Describe the gross anatomy, structural features and conduction system of the Heart.
2. Describe Systemic and Pulmonary circulation.
3. Describe Cardiac cycle.

Write a short note on any FIVE of the following: **5 X 6 = 30**

4. Antianginal agents.
5. Anti coagulants.
6. Coronary circulation.
7. Functions of Cardiovascular system.
8. Mechanism of Excitation-Contraction coupling.
9. Waves of electrocardiogram.

Write briefly on the following: **10 X 3 = 30**

10. Streptokinase.
11. Nitroglycerine.
12. Labetalol.
13. Heart valves.
14. Blood components.
15. Shock.
16. Ficks principle.
17. Valsalva manoeuvre.
18. Syncope.
19. Hypertension.
