

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

MPT FINAL YEAR DEGREE SUPPLEMENTARY EXAMINATIONS: JULY 2025

**ANATOMY, PHYSIOLOGY AND PATHOMECHANICS RELATED TO
CARDIOVASCULAR AND PULMONARY SPECIALITIES**

PAPER-V

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write Essay on the following:

3 X 20 = 60

1. Discuss in detail about the biomechanics of Thoracic Cage in Healthy and Diseased Population.
2. Enumerate the properties of Cardiac Muscle and discuss the effects of Autonomic Nervous System on CVS.
3. Write in detail about the ventilation Perfusion quotient and its significance in different positions.

Write short note on the following:

5 X 8 = 40

4. Blood Pressure Regulation.
5. Defence mechanism of Respiratory System.
6. Surface markings of Lungs.
7. Coronary Circulation.
8. Cardiac Cycle.

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