

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002
BPT SECOND YEAR DEGREE SUPPLEMENTARY EXAMINATIONS: JULY, 2025
BIOMECHANICS AND APPLIED ANATOMY

Time: 3 Hours

Max Marks: 80

Note: Answer all questions
Draw diagrams wherever necessary

Write an essay on the following:

2 X 10 = 20

1. a) Describe Wrist complex in detail.

OR

- b) Describe Glenohumeral Rhythm with Diagram.

2. a) Describe the movements of the chest During Breathing.

OR

- b) Describe the structure and functions of subtalar joint.

Write a short note on the following:

8 X 5 = 40

3. Atlanto Axial Joint.
4. Thoracolumbar Fascia.
5. Active Insufficiency.
6. Kinematics.
7. Anatomic Pulley with example.
8. Determinants of Gait.
9. Ligaments of Elbow Joint.
10. Angle of inclination in Hip Joint & Applied Anatomy.

Write briefly on the following:

10 X 2 = 20

11. Forces of Friction.
12. Closed Kinematic Chain.
13. Antagonist.
14. Isokinetic Contraction.
15. Types of Pelvic Tilt.
16. Function of Anterior Cruciate Ligament in Knee.
17. Tonic Muscle.
18. Degree of Toe Out.
19. Young's Modulus.
20. House Maid's knee.
