

PAPER CODE: 1160

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

M.D/ M.S DEGREE EXAMINATIONS: OCTOBER 2025

PHYSIOLOGY

PAPER – I

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Write an essay on the following:

10 X 10 = 100

1. Enumerate various transport mechanism across cell membrane, add a note on active transport mechanism.
2. Structure of DNA.
3. Recent advances in the mechanism of autophagy and its role in homeostasis.
4. Properties of action potential.
5. Various methods of measurement of volumes in various body compartments.
6. Events in the transmission of impulse across neuromuscular junction.
7. Muscular dystrophy and EMG changes in muscular disorders.
8. Characteristics of isotonic and isometric contraction.
9. Tissue typing.
10. Compound action potential in nerve.
