

[Time: 3 Hours]

[Max. Marks: 100]

**Biomechanics, Exercise Physiology & Electrophysiology
PAPER-II (RS)**

Q.P. CODE : 8112

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions

10 X 10 = 100 Marks

1. Explain the physiology of movement.
2. Explain in detail the properties of intervertebral disc and related mechanics.
3. Importance of strength duration curve in physiotherapy.
4. Influence of age and sex in exercise and training.
5. Write about muscle plasticity in response to electrical stimulation.
6. Biomechanics of functional hand position.
7. Describe the kinetics of gait.
8. Explain the electrical properties of nerve.
9. Normal and applied biomechanics of ankle.
10. Write about the energy expenditure at rest and various physical activities.