



# Rajiv Gandhi University of Health Sciences

## Master of Physiotherapy Degree Examination - APRIL-2019

[Time: 3 Hours]

[Max. Marks: 100]

### Paper - II - Biomechanics, Exercise Physiology & Electrophysiology (RS & RS 2)

### Q.P. CODE : 8112

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. Answer all questions

#### LONG ESSAY

**2 X 20 = 40 Marks**

1. Describe the Principles of Ergonomics. Explain the Biomechanics involved in the transfer from wheel chair to bed.
2. Discuss Aerobic Energy metabolism in Detail.

#### SHORT ESSAY

**6 X 10 = 60 Marks**

3. Extensor expansion of hand and pathomechanics of any two deformities.
4. Consideration of age and sex in exercise and training.
5. Components of electrophysiological assessment devices.
6. Visual Evoked Potential.
7. Describe electrical stimulation and its effects on various systems.
8. Normal and applied Biomechanics of spine.