



Rajiv Gandhi University of Health Sciences

Master of Physiotherapy Degree Examination - SEP-2018

[Time: 3 Hours]

[Max. Marks: 100]

**Paper - II - Biomechanics, Exercise Physiology & Electrophysiology
(Revised Scheme)**

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 kinetics and kinematics of lumbar spine and its influence on core stabilization exercises.
2. Discuss the cardiovascular response to aerobic exercise and add a note on oxygen intake and oxygen debt.

SHORT ESSAY

6 X 10 = 60 Marks

3. Analyse sit to stand activity.
4. Repetitive strain injuries
5. Assessment of fatigue
6. Material properties of bone
7. Functional electrical stimulation
8. Energy transfer