

Total No. of Printed Pages – 2

SS/MPT-I/P-II/02-18

2 0 1 8

(February)

MASTER OF PHYSIOTHERAPY
(1st Year)
BIOMECHANICS, EXERCISE PHYSIOLOGY,
ELECTROPHYSIOLOGY

Paper II

Full Marks : 100

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

Answer **all** questions

1. Describe loading of spine and compare loads on the
lumber spine during standing, sitting and reclining.
Explain static loads on the lumber spine during lifting. 20
2. Normal responses to Aerobic exercises with respect to
energy transfer, oxygen intake & oxygen debt. 20

(Turn Over)

(2)

3. Explain the muscle plasticity in response to neuromuscular electrical stimulation. 10
4. Explain the strategies of fatigue management. 10
5. Why do athletes with high vo_2 max value perform better in endurance events than those with lower values? 10
6. Explain importance of Ergonomics in occupational health with relevant examples. 10
7. Discuss in detail the health risks associated with hyperbaric conditions. 10
8. Describe the indication for use of Faradic type current. Discuss the various modes of application of Faradic type current. 10

* * *