

Total.No. of Printed Pages – 2

**SS/MPT-I/P-II/1-14**

**2 0 1 4**

( January )

**MASTER OF PHYSIOTHERAPY**  
(1<sup>st</sup> Year)

Paper II

*Full Marks : 100*

*Time : 3 hours*

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

Answer **all** questions

1. Discuss in details the locking and unlocking mechanism of knee joint. Mention the management of meniscus injury of knee joint. 20
2. Give a detailed analysis of the characteristics and components of electrotherapeutic stimulation systems with a description of NMES. 20

( Turn Over )



*Librarian*  
*Copy*

( 2 )

3. Answer in short

10 × 6 = 60

- (a) Define fatigue, its types and assessment.
- (b) Cardio-respiratory changes due to exercise and training.
- (c) Define obesity, its classification and management in relation to exercise prescription.
- (d) Write in detail about kinetic and kinematic investigations of gait.
- (e) Explain the influence of environment on performance.
- (f) Electrical stimulation and its effects on various systems.

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