



[LB 751]

OCTOBER 2012
MPT DEGREE EXAMS
FIRST YEAR

Sub. Code: 8151

PAPER I – APPLIED BASIC SCIENCES
Q.P. Code : 278151

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Describe about injury prevention and ergonomics.	17	40	20
2. Discuss about heavy exertion and energy demands of various occupations.	17	40	20

II. Write notes on :

1. Matrix.	4	10	6
2. Adult education.	4	10	6
3. Funding in research.	4	10	6
4. Ground reaction forces.	4	10	6
5. Implementing the projects.	4	10	6
6. Static loading of the upper limb.	4	10	6
7. Principles of experimental design.	4	10	6
8. Biomechanics of peripheral nerves.	4	10	6
9. Measurement tools for physiotherapy research.	4	10	6
10. Energy delivery and utilization in endocrine system.	4	10	6

