

[LH 751]

OCTOBER 2015

Sub. Code: 8151

MPT DEGREE EXAMINATION
(Common to all Branches)
FIRST YEAR
PAPER I – APPLIED BASIC SCIENCES

Q.P. Code : 278151

Time : Three hours

Maximum : 100 marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the Basic Principles and Methods of Research Designs.
2. Explain about the:
 - (a) Aerobic Power Training
 - (b) Anaerobic Power Training
 - (c) Special Aids
 - (d) Sport Diving
 - (e) Obesity and Weight Control
 - (f) Clinical Exercise Physiology

II. Write notes on:

(10 x 6 = 60)

1. Energy delivery of Endocrine system.
2. Nutrition and Performance.
3. Industrial therapy.
4. Injury prevention and Ergonomics.
5. Biomechanical Examination of Foot.
6. Knee Joint Stability.
7. Group Design.
8. Qualitative Research.
9. Plyometrics.
10. Prehension.
