

[LI 751]

APRIL 2016

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 Various Methods of Collecting Data.
2. Ergonomic Guidelines required to plan a Work Station for a Computer Professional.

II. Write notes on:**(10 x 6 = 60)**

1. Review of Literature.
2. Endurance Training.
3. Fat Metabolism and Energy Production.
4. Mechanical Properties of Articular Cartilage and its response to injury.
5. Exercise Capacity at altitude.
6. Discuss the Kinematics and Kinetics during Over Head Activity.
7. Factors Influencing Normal Posture.
8. Effects of Weakness and Tightness of Vastus Medialis.
9. Biomechanics of Normal Respiratory Movement.
10. Job simulation.
