



[LF 751]

OCTOBER 2014

Sub. Code: 8151

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION**

**FIRST YEAR**

(Common to all Branches)

**PAPER I – APPLIED BASIC SCIENCES**

*Q.P. Code: 278151*

**Time: Three Hours**

**Maximum: 75 marks**

**Answer All questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss the Dynamics of Shoulder Complex and Pathomechanics of Paralytic Shoulder.
2. Discuss in detail about Back Care Programme for Industrial Workers.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Types of Research.
2. Importance of Reliability and Validity in Research Process.
3. Methods of Sampling.
4. Hypothesis Testing.
5. Energy Expenditure during Skeletal Muscle Work.
6. Vitamins and Exercise Performance.
7. Assessment of Fatigue.
8. Explain Cardiovascular Conditioning effect following exercise Training.
9. Kinetics of Patello Femoral joint during Squat Exercise.
10. Work Hardening.

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