



[LM 751]

**MAY 2018**

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 Arthrokinematics of the knee joint and explain briefly about the Patello femoral joint reaction forces.
2. Discuss about the research problems, questions and Hypothesis.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Functions of menisci.
2. Types of sampling techniques.
3. Eccentric muscle training.
4. Delayed Onset of Muscle Soreness (DOMS).
5. Work capacity analysis.
6. Text neck.
7. Non experimental research.
8. Special aids in sports performance.
9. Hemodynamic Response to Maximal Exercise.
10. Snapping hip syndrome.

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