

[LJ 751]

OCTOBER 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. Biomechanical analysis of Posture.
2. Explain in detail about the process of Research.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Factors involved in balance.
2. Educational program for prevention of injury.
3. Measurement of human energy expenditure.
4. Aerobic power training.
5. Testing of hypothesis.
6. Basic concepts in biomechanics.
7. Statistical analysis of relationship.
8. Biomechanical examination of ankle and foot.
9. Theories of pain.
10. Principles of training.

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