



[LN 751]

OCTOBER 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. Explain the basic structural and mechanical properties of Ligaments and how will it adapt to the injuries?
2. Discuss detail about the components of Pre-employment screening.

II. Write notes on:

(10 x 6 = 60)

1. Various methods to estimate the body composition.
2. Types of research validity.
3. Anaerobic power training.
4. Lactate threshold.
5. Role of physiotherapy in industrial setup.
6. Worker care spectrum.
7. Survey research.
8. Factors of body balance and equilibrium.
9. Various types of joint lubrication.
10. The effects of exercise on the Lungs.

