www.FirstRanker.com

www.FirstRanker.com

Sub. Code: 8151

[LL 751] OCTOBER 2017

## 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:  $(2 \times 20 = 40)$ 

 Analyze the forces acting on shoulder joint and its pathomechanical variation in Winged Scapula.

Discuss about exercise at different altitudes and various climatic conditions.

II. Write notes on:  $(10 \times 6 = 60)$ 

- Role of arm in maintaining body equilibrium.
- Factors affecting training.
- Role of physiotherapy in industrial set up.
- Uses of vital statistics.
- Nutation and counter nutation.
- Neuro mscular fatigue.
- Ergonomical modifications for a software professional.
- Type I and II Error.
- Functional adaptation of bone.
- Plyometrics.

\*\*\*\*\*\*