

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LP 751]

OCTOBER 2019

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 about static, dynamic stabilization of Glenohumeral joint and altered rhythm of shoulder complex with paralyzed deltoid.
2. Definition, characteristics, purposes, concepts and ethics of research in Physiotherapy.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Cardio vascular drift.
2. Athlete's Heart.
3. Anaerobic fatigue.
4. Blood Doping.
5. Tibial Torsion.
6. Beam and Column theory.
7. Pilot study.
8. Hip dysplasia.
9. Windloss effect.
10. Occupational HEAT stress.

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