

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

[LO 154]

MAY 2019

Sub. Code: 8154

**MPT DEGREE EXAMINATION**  
(Common to all Branches)  
(Regulations for the candidates admitted from 2018-2019 onwards)  
**FIRST YEAR**  
**PAPER II – PHYSIOTHERAPEUTICS**

*Q.P. Code : 278154*

**Time : Three hours**

**Maximum : 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define Balance. What are the various components of balance? How will you assess static and dynamic balance? Write in brief about Balance retraining.
2. Describe the principles, method of application, physiological effects and therapeutic effects of Interferential therapy.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Neural mobilization.
2. Principles of aerobic exercises.
3. Parameters of therapeutic electrical currents.
4. Interpretation of Strength Duration curve.
5. Anthropometric measurement.
6. Principles and application of Mulligan's Mobilisation.
7. Exercise induced muscle soreness Prevention and Management.
8. Physiology of tissue repair and healing.
9. Role of excitability test.
10. Motor control.

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