

**VINAYAKA MISSION'S RESEARCH FOUNDATION  
(Deemed to be University), SALEM**

**M.P.T. DEGREE EXAMINATION – February 2021  
First Semester**

**PHYSICAL MODALITIES AND PT PRACTICE**

Time: Three hours

Maximum : 100 marks

**I. Write short answers on:**

**(10 x 2 = 20)**

1. Ohm's Law.
2. Cryokinetics.
3. Inverse Traction.
4. Types of Electric current.
5. Properties of LASER.
6. Reverse piezo electric effect.
7. Advantages of TENS.
8. Hydrocollator packs.
9. Physics of Iontophoresis.
10. Motor point and Motor Unit.

**II. Write short notes on:**

**(8 x 5 = 40)**

11. Pain modulation.
12. Diadynamic current.
13. Properties of water and its clinical significance.
14. Contrast bath.
15. Medico legal aspects of physical therapy.
16. Therapeutic effects of cryotherapy.
17. Uses of compression edema reduction.
18. Physiological and therapeutic effects of faradic current.

**III. Write essays on:**

**(2 x 20 = 40)**

19. Define Interferential current. Describe the parameters and therapeutic effects of Interferential current.
20. Elaborate on Ethical rules, Aims and Objectives of Indian Association of Physiotherapists.