

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

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**  
**February 2020**  
**Third Year**

**ELECTROTHERAPY**

Time: Three hours

Maximum: 100 Marks

Answer **ALL** questions.

**I. ESSAY:** (2 x 20 = 40)

1. Define interferential current. Write in detail about the production, types, parameters and physiological effects of interferential therapy.
2. What is short wave diathermy? Explain the principle of working, production, method of application and physiological effects of SWD.

**II. SHORT NOTES:** (8 x 5 = 40)

3. TENS
4. S- D curve and its significance.
5. Paraffin wax bath
6. Nerve conduction test.
7. Pain- gate theory.
8. Effects and uses of IRR.
9. Functional electrical stimulation.
10. Faradic foot bath.

**III. SHORT ANSWERS:** (10 x 2 = 20)

11. Sinusoidal current.
12. PUVA.
13. Action potential.
14. Whirl pool bath.
15. Phonophoresis.
16. F- wave.
17. Sensitizer in UVR.
18. Coupling media.
19. Cold spray.
20. Piezoelectric effect.