

**Second Year BPT Degree Examinations - October 2015  
(2012 Scheme)**

**ELECTROTHERAPY**

**Time : 3 hrs**

**Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(2x14=28)**

1. Describe the principles and production of SWD. Explain the various methods of heat production in the tissues and add a note on spacing of electrodes.
2. Define TENS. List the various types of TENS. Explain the unique feature of each type and its therapeutic uses.

**Short notes**

**(4x8=32)**

3. Explain in detail the physiological effects of IRR.
4. Describe the principles of paraffin wax and explain the methods of application.
5. Explain the working of MWD and explain its uses.
6. Explain the thermal and non thermal effects of ultrasound.

**Answer briefly**

**(10x4=40)**

7. Characteristics of a charged body.
8. Explain faradic galvanic test.
9. Define sinusoidal currents and mention its uses.
10. Mention the parameters and uses of HVPGS.
11. Cyclotherm.
12. Explain the therapeutic benefits of superficial heat.
13. Dosimetry of LASER.
14. What is SD curve and mention its uses.
15. Dosage of UVR for psoriasis.
16. Any four uses of cryotherapy.

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