



Second Year BPT Degree Supplementary Examinations - May 2015  
(2010 Scheme)

**ELECTROTHERAPY****Time : 3 hrs****Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays****(2x10=20)**

1. What is faradic current. Explain the physiological and therapeutic effects of faradic current. Add a note on faradic foot bath.
2. Define TENS. Explain the various types of TENS. Mention the indications and contraindications of TENS.

**Short notes****(10x5=50)**

3. Physiological effects of ultraviolet
4. What is LASER. Mention the types of LASER.
5. Indications and contraindications of cryotherapy.
6. What is high voltage pulsed galvanic current. List its parameters and its uses.
7. What is therapeutic ultrasound and add a note on methods of application of ultrasound.
8. Define microwave diathermy. Mention the indications and contraindications of microwave diathermy.
9. What is iontophoresis. Mention the use of commonly used ions in any two clinical conditions.
10. Define interferential therapy. Mention the indications and contraindications of interferential therapy.
11. Propagation of action potential in a nerve fiber.
12. Segmental inhibition.

**Answer briefly****(10x3=30)**

13. Fresnel's zone
14. Electromagnetic spectrum
15. PUVA
16. Indications of wax therapy
17. Uses of bio feedback.
18. Cyclotherm
19. Anodal galvanism
20. Types of electrodes
21. Fuse
22. Diadynamic current