



## Second Year BPT Degree Supplementary Examinations - April 2016

**ELECTROTHERAPY  
(2012 Scheme)****Time : 3 hrs****Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays****(2x14=28)**

1. Define electrodiagnosis. Explain in detail the procedure to perform strength duration curve and interpretations of strength duration curve (2+7+5=14)
2. Define ultra violet radiations(UVR). Explain in detail the physiological and therapeutic uses of UVR. Add a note on PUVA regiment (1+5+5+3=14)

**Short notes****(4x8=32)**

3. Indications and contraindications for interferential therapy
4. Parameters of pulsed electro magnetic energy
5. Methods of application of moist heat therapy
6. Construction and working of transformers

**Answer briefly****(10x4=40)**

7. Laws of electromagnetic induction
8. Sinusoidal current
9. Indications for Iontophoresis
10. Ohms law and its therapeutic application
11. High TENS
12. Define valves and explain the types of valves.
13. Fuse in physiotherapy department
14. Uses of contrast bath
15. Production of short wave diathermy
16. Piezoelectric effect

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