

**Second Year BPT Degree Examinations - October 2016**

**ELECTROTHERAPY  
(2012 Scheme)**

**Time : 3 hrs**

**Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(2x14=28)**

1. Explain pain modulation theory. Discuss in detail the methods of application of interferential therapy (IFT). Add a note on advantages of IFT (6+6+2=14)
2. Define iontophoresis. Explain in detail the indications and procedure of application of iontophoresis for hyperhidrosis (2+4+8=14)

**Short notes**

**(4x8=32)**

3. Prevention of electrical burns
4. Working of valves
5. Define Ultrasound. Explain its production and treatment dosage parameters
6. Indications and contraindications of fluidotherapy

**Answer briefly**

**(10x4=40)**

7. Therapeutic uses of interrupted direct current
8. Uses of nerve conduction velocity testing
9. Adverse effects of thermotherapy
10. Joules law
11. Techniques of application of cryotherapy
12. Phonophoresis for pain relief
13. Characteristics of lines of force
14. Indications for cyclotherm
15. Skin resistance lowering
16. Chronaxie and rheobase

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