

**Q.P. Code: 211014**

**Reg. No.:.....**

**Second Year BPT Degree Supplementary Examinations  
September 2018**

**Electrotherapy  
(2012 Scheme)**

**Time : 3 hrs**

**Max marks : 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(2x14=28)**

1. Define ultrasound (US) therapy. Explain the production and methods of application of US. Add a note on the contraindications. (2+4+6+2)
2. Explain pain modulation with application of interferential therapy. Elaborate on the production of interferential current. Add a note on contraindications. (5+5+4)

**Short notes**

**(4x8=32)**

3. Therapeutic effects of transcutaneous electrical nerve stimulation (TENS).
4. Production of ultra-violet radiation (UVR)
5. Describe the various methods of application of cryotherapy.
6. Luminous and non-luminous generators of infra-red radiation (IRR).

**Answer briefly**

**(10x4=40)**

7. Indications and contraindications for use of whirl pool bath.
8. Properties of LASER
9. Sinusoidal currents and benefits.
10. Condensers and types of construction.
11. Biofeedback and its therapeutic application.
12. Iontophoresis for pain relief.
13. Phonophoresis and its therapeutic benefits.
14. Diadynamic current and its uses.
15. Nerve conduction velocity studies and its uses.
16. Therapeutic benefits of rebox current.

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