

Q.P. Code: 211014

Reg. No.:.....

**Second Year BPT Degree Supplementary Examinations  
March 2019****Electrotherapy  
(2012 Scheme)****Time: 3 hrs****Max marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

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

1. Define low frequency current. Discuss in detail the physiological and therapeutic effects of interrupted galvanic current. Add a note on the indications and contra-indications. (2+5+5+2)
2. Explain in detail the production and therapeutic effects of UVR. Mention about dosage calculation and contra indications for use of UVR. (6+4+2+2)

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

3. The method of application of fluidotherapy and its uses.
4. List the electro-diagnostic tests. Explain any one in detail.
5. Therapeutic benefits of LASER. Explain.
6. Describe the various methods of application of wax therapy.

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

7. Therapeutic benefits of pulsed electro magnetic energy.
8. Define rheobase and chronaxie.
9. Define beat frequency and its use.
10. Indications and contraindications for cryotherapy
11. Action potential.
12. Theories of pain.
13. Cyclotherm and its benefits.
14. Burns in electrotherapy.
15. Explain the parameters of HVPGS.
16. Reverse piezoelectric effect.

\*\*\*\*\*