

## **2012 Scheme**

**Q.P. Code: 211014**

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

### **Second Year BPT Degree Supplementary Examinations March 2020 Electrotherapy**

**Time : 3 hrs**

**Max marks : 100**

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

#### **Essays**

**(2x14=28)**

1. Explain the production of SWD with circuit diagram and also the physiological and therapeutic effects of SWD. (5+5+2+2)
2. Describe different methods of UVR application, its therapeutic effects and indications. Add a note on dosage for psoriasis. (5+5+2+2)

#### **Short notes**

**(4x8=32)**

3. Explain the technique of stimulating the lower leg muscles in detail.
4. Describe the physiology of pain and how TENS helps in the modulation of pain. (4+4)
5. Write about method of application, uses and indications of contrast bath. (3+2+3)
6. Explain the physiological and therapeutic effects of faradic current. (4+4)

#### **Answer briefly**

**(10x4=40)**

7. Define phonophoresis and method of application.
8. Explain the procedure and interpretation of SD curve test.
9. Nerve conduction velocity.
10. Define electricity and its types.
11. Physiological and therapeutic effects of IRR.
12. Difference between high frequency and low frequency currents.
13. Explain the procedure of Iontophoresis in the treatment of hyperhidrosis.
14. Micro currents.
15. Explain physiological and therapeutic effects of cryotherapy.
16. Fluidotherapy.

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