

# **2012 Scheme**

**Q.P. Code: 211014**

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

## **Second Year BPT Degree Supplementary Examinations June 2021**

### **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. Define TENS. List the various types of TENS. Give the features of each type and their therapeutic uses. (2+2+5+5)
2. What are medium frequency currents. Describe the production of IFT, what is static and dynamic interference system. (2+5+3.5+3.5)

#### **Short notes**

**(4x8=32)**

3. Classify Infrared generators. Explain the production and effects of various types. (2+3+3)
4. Describe principles and production of SWD and explain the various methods of heat production. (3+3+2)
5. Explain the principles of production and dosage of LASER. (4+4)
6. Pain gate theory in detail.

#### **Answer briefly**

**(10x4=40)**

7. Anodal galvanism.
8. Micro and macro shock.
9. SD curve and its uses.
10. Principles of wax bath therapy.
11. Electromagnetic induction.
12. How do you calculate the E1 dose of the UVR.
13. Explain the construction and working of transformer.
14. Describe about the indications for whirlpool therapy.
15. Explain the procedure of training the intrinsic foot muscles with faradic foot bath.
16. Explain the mechanism of Russian currents usage in strengthening of the muscles.

\*\*\*\*\*