

# 2012 Scheme

Q.P. Code: 211014

Reg. No.:.....

## **Second Year BPT Degree Supplementary Examinations June 2025** **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 Interferential Therapy (IFT), explain the principle of production, physiological effects and electrode placement in IFT (2+4+4+4)
2. Define Infra-Red Radiations(IRR), Describe the various generators of IRR and its indications and contraindications (2+6+3+3)

**Short notes**

**(4x8=32)**

3. Principles of production and application of LASER (4+4)
4. Explain the Construction, application and effects of Fluidotherapy (3+2+3)
5. Ohm's law and its application to Direct current and Alternating current (2+3+3)
6. Brief on the parameters of High Voltage Pulsed Galvanic Stimulation (HVPGS)

**Answer briefly**

**(10x4=40)**

7. Types of Transcutaneous Electrical Nerve Stimulation (TENS)
8. Theories of PAIN
9. Prevention of electrical burns
10. Psoralen – Ultraviolet A (PUVA)
11. Rebox type current
12. Phonophoresis
13. Contraindications and dangers of Microwave Diathermy (MWD)
14. Dosage parameters of Ultrasonic therapy
15. Construction of Electromyography (EMG) equipment
16. Methods of application of contrast bath

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