

# 2012 Scheme

Q.P. Code: 211014

Reg. No.:.....

## Second Year BPT Degree Supplementary Examinations February 2023

### 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 principle, construction, working and types of Transformers (3+3+4+4)
2. Describe the methods of plotting a Strength Duration curve, explain the characteristics of different types of curves based on their innervation (7+7)

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

3. Define UVR. Explain in detail the physiological effects of UVR (2+6)
4. Describe in detail the physiological and therapeutic effects of Faradic currents (4+4)
5. Define Microwave. Brief on the production and application of MWD (2+3+3)
6. Moist heat therapy- Application, Uses, its Indications and contra indications

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

7. Physiological effects of cryotherapy
8. Classification of LASER
9. Accommodation
10. Test dose in UVR
11. Placement and spacing of SWD electrodes
12. FG test
13. FUSE
14. Piezo electric effect
15. Russian currents
16. Cyclotherm- Principle of production, indications and contraindications

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