

**Second Year BPT Degree Regular/Supplementary Examinations
November 2025
Electrotherapy
(2016 Scheme)**

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 diagrams wherever necessary*

Essays

(2x15=30)

1. Define Ultra Violet Radiations (UVR). Explain the types, therapeutic effects, indications and contra-indications of UVR. Add a note on the test dose.
2. Explain the methods of Interferential Therapy (IFT) application. Describe the physiological basis of pain relief. Explain the indications and contra-indications of IFT.

Short Essays

(4x10=40)

3. Describe plotting an strength-duration curve. Mention the uses of Strength Duration (SD) curve in diagnosis.
4. Describe the principles and production of Short Wave Diathermy (SWD). Add a note on electrode spacing.
5. Explain the physiological effects, indications and contra-indications of interrupted direct current.
6. Define LASER. Explain types of LASER and add a note on the principles of LASER.

Short Answers

(10x3=30)

7. Define motor point and motor unit.
8. Dangers of cryotherapy.
9. Composition of wax.
10. Lewis Hunting reaction.
11. Iontophoresis for wound healing.
12. Explain the uses of fuse.
13. Russian currents.
14. Phonophoresis and its agents.
15. Uses of condensers.
16. Types of Infrared (IR) generators.
