

**Second Year BPT Degree Supplementary Examinations July 2024
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 Transcutaneous Electrical Nerve stimulation (TENS). Explain the types of TENS. Add a note on pain gate control therapy.
2. Explain the production of Shortwave Diathermy (SWD). Describe the electrode placements used in SWD. List the indications and contra-indications of SWD.

Short Essays

(4x10=40)

3. Describe the physiological effects of moist heat therapy. Add a note on its indications and contra-indications.
4. Describe the production and dosage of ultrasound therapy. Mention the types of application of ultrasound therapy.
5. Explain faradic foot bath in detail. Describe the indications and contraindications of the same.
6. Define Infrared Radiations (IRR). Explain the parameters, production and types of IR generators.

Short Answers

(10x3=30)

7. Define Psoralen ultraviolet-A (PUVA).
8. Define macro and microcurrents.
9. Define rheobase and chronaxie.
10. Explain the uses of Faradic-Galvanic (FG) test in electrodiagnosis.
11. Electrode placement in Interferential Therapy (IFT).
12. Uses of pulsed electro magnetic energy.
13. Whirlpool bath.
14. Cathodal galvanism.
15. Biofeedback.
16. Dangers of wax therapy.
