

**Second Year BPT Degree Regular/Supplementary Examinations
February 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 iontophoresis. Explain the principles, indications, contra-indications and commonly used drugs in iontophoresis.
2. Describe the technique and interpretation of strength-Duration Curve in detail.

Short Essays

(4x10=40)

3. Describe the physiological effects, indications and contra-indications of Galvanic current.
4. Explain the methods of application and the therapeutic effects of contrast bath.
5. What are medium frequency currents. Explain any one medium frequency current in detail.
6. What is Faradism under pressure. Explain its physiological effects along with indications and contraindications.

Short Answers

(10x3=30)

7. Indications and contraindications of fluidotherapy.
8. Latent heat of fusion.
9. Types of Ultra Violet Radiations (UVR).
10. Nerve conduction velocity study – uses.
11. Propagation of action potential.
12. Burst Transcutaneous Electrical Nerve Stimulation (TENS).
13. Sinusoidal current.
14. Micro and macro shocks.
15. Methods of application of wax.
16. Beat frequency in Interferential Therapy (IFT).
