

**Second Year BPT Degree Supplementary Examinations August 2022****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 Faradic current. Explain the physiological and therapeutic effects of Faradic current.
2. Define ultrasound. Explain the principles of production of ultrasound and the various methods of application of ultrasound

**Short Essays****(4x10=40)**

3. Strength – Duration curve with rheobase and chronaxie
4. Define SWD and explain the methods of heat production by SWD
5. Define LASER. Explain the production and its types.
6. Contrast bath

**Short Answers****(10x3=30)**

7. Fluido therapy – therapeutic uses
8. Indications and contra indications for wax therapy
9. Types of TENS
10. Biofeedback
11. Fuse
12. Transformers and its types
13. Name the theories of pain
14. PUVA
15. Define iontophoresis and its uses
16. Uses of pulsed electromagnetic energy

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