

**TILAK MAHARASHTRA VIDYAPEETH, PUNE**  
**BACHELOR OF PHYSIOTHERAPY (B. P. T.)**  
**EXAMINATION : MARCH - 2024**  
**SECOND YEAR**  
**Subject: Electrotherapy (BPT- 21206)**

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**Date: 11/03/2024**

**Total Marks: 80**

**Time: 2.00 pm to 5.00 pm**

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**SECTION – A**

**Q.1 Answer the following questions in short (Any five) (15)**

- a. Classify Low Frequency Currents
- b. Enumerate any 3 Coupling media along with their percentage of transmission
- c. Define Rheobase and Chronaxie
- d. Define a Motor Point
- e. Enumerate any Three Dangers of Infrared Rays
- f. Enumerate any 3 Properties of Laser

**Q.2 Answer the following questions (Any Five) (35)**

- a. Enumerate types of TENS. Explain any 2 in detail.
- b. Classify IR. Describe the structure of Luminous and non-luminous IR.
- c. Explain different methods of application of SWD and contraindication for the same.
- d. Define MED in Ultra Violet Radiations and describe the technique for measuring the same in UVR.
- e. What is faradic Re-education? Explain the technique in brief
- f. Describe in detail Pain Gate Theory and enlist modalities that use the same.

**SECTION – B**

**Q.3 Answer the following questions in detail (Any one) (15)**

- a. Define Iontophoresis. State its principle and describe the method of application. State its dangers. Enumerate any 5 ions with their uses
- b. Define Ultrasound. Describe the physiological and therapeutic effects of ultrasound and write its contraindications.

**Q.4 Answer the following questions in detail (Any one) (15)**

- a. Describe the physiological and therapeutic effects of interrupted galvanic currents. State its Indications and contraindications
  - b. What is Faradism under pressure? State its principle of application. Describe the technique and state its contraindications.
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