

**A**

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**BACHELOR OF PHYSIOTHERAPY (B. P. T.)**  
**EXAMINATION : MARCH - 2024**  
**FIRST YEAR**

**Subject: Fundamentals of Electrotherapy (BPT- 21105)**

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**Date: 9/03/2024**

**Total Marks: 80**

**Time: 10.00 am To 1.00 pm**

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**SECTION – A**

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

- a. Eddy Currents
- b. Define Latent Heat
- c. Define Faradic and Galvanic Currents
- d. Enlist 6 contraindications to electrotherapy
- e. Enlist methods of reducing skin resistance
- f. Describe Atom

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

- a. Define contrast bath and describe methods of application
- b. Types of transformers
- c. Define shock in detail
- d. Describe capacitance, and types of capacitors
- e. Define Ohms Law in detail
- f. Write properties of magnet in detail

**SECTION – B**

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

- a. Write principle of PWB, its composition and methods of application of PWB in detail .(2+1+12=15m)
- b. What is Cryotherapy? Describe Lewis hunting reaction and any 3 methods of application of Cryotherapy in detail . (2+3+10=15M)

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

- a. Describe hydrocollator packs, hydrocollator unit, and write physiological effects of hydrocollator packs in detail. (3+2+10=15M)
- b. Describe modes of heat transfer. Write in detail about physical effects and therapeutic effects of heat in detail. (5+5+5=15M)