

A

TILAK MAHARASHTRA VIDYAPEETH, PUNE
BACHELOR OF PHYSIOTHERAPY (B. P. T.)
EXAMINATION : NOVEMBER - 2023
FIRST YEAR

Subject: Fundamentals of Electrotherapy (BPT- 21105)

Date: 25/11/2023

Total Marks: 80

Time: 10.00 am to 1.00 pm

SECTION – A

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

- a. Joule's law
- b. Voltage & power
- c. Ohms law
- d. Luis hunting reaction
- e. Semiconductor
- f. Electromagnetic radiation

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

- a. Action potential
- b. Hydro collator packs
- c. Tens
- d. Shock
- e. Contrast bath
- f. Magnetism & types

SECTION – B

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

- a. Define cryotherapy in detail, with its principles, uses types of application, indication & contraindication in detail?

OR

- b. Explain the Physical Principal, Panel diagram & Testing for ultrasound.

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

- a. Define paraffin wax bath in Detail, types of Application its Thermal effect, indication & contraindication in detail.

OR

- b. Explain the Physical Principle, Panel diagram & Testing for S.W.D