

A

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EXAMINATION : DECEMBER - 2024
FIRST YEAR

Subject: Fundamentals of Electrotherapy (BPT- 21105)

Date: 30/12/2024

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. Explain the Function of Fuse
- b. Modes of Heat transfer
- c. State Inverse Law with application
- d. Define properties of electric lines of force
- e. Define Ohm's Law
- f. What is Earthling and its importance

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

- a. Write difference between Galvanic and Faradic current
- b. Describe in detail about Luminous IRR
- c. Write note on Rheostat
- d. What is Transformer and Explain its Types
- e. High pressure mercury vapor lamp in UVR
- f. Write in detail about methods of application of hydro collator pack

SECTION – B

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

- a. Explain in detail about production of IFT. Add a note on Beat and Sweep frequency and draw a neat labeled Panel Diagram (7+5+3)
- b. Principle of PWB .Explain in detail about methods of application of PWB with neat labeled diagrams. (5+10=15M)

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

- a. Explain in detail about production of Ultrasound with diagram. Explain Physical principles of ultra sound. Add a note on Eddy currents (7+5+3)
- b. Explain Electromagnetic Induction in detail? Explain production of SWD in details with panel diagram. (5+10=15M)
