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Reg. No.....

Name.....

**BACHELOR OF PHYSIOTHERAPY (B.P.T.) DEGREE EXAMINATION
APRIL 2025**

Second Year

ELECTROTHERAPY

(2008 Admission Onwards–Last and Final Special Mercy Chance)

Time : Three Hours

Maximum : 100 Marks

*Answer all questions.
All question carry equal marks.*

Part A

1. Explain Ohm's law and describe its applications in electrotherapy equipment.
2. Describe the physiological and therapeutic effects of Galvanic Current. Add its indications and contraindications.
3. Explain the principles of electrode placement and discuss the factors influencing current flow through tissues.
4. describe the action potential and explain the physiological basis of electrical stimulation of denervated muscle.
5. Discuss the construction, working mechanism and therapeutic applications of Russian Current.

(5 × 10 = 50)

Part B

6. Explain the principles of biofeedback and discuss its role in rehabilitation.
7. Describe the production, parameters and therapeutic applications of Pulsed Electromagnetic Energy
8. Explain the principles of Microwave Diathermy and discuss dosage parameters, indications and contraindications.
9. Define Ultrasound Therapy. Discuss the modes of application, dosage parameters and therapeutic effects of Ultrasoun
10. Describe the therapeutic use of Fluidotherapy. Discuss its method of application, advantages and limitations.

(5 × 10 = 50)

