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EXAMINATION : JANUARY - 2026
SECOND YEAR
Subject: Electrotherapy (BPT- 21206)

Date: 27/01/2026

Total Marks: 80

Time: 2.00 pm To 5.00 pm

SECTION – A

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

- a. Define descending pain inhibitory system.
- b. Define sinusoidal current and state two uses.
- c. List any four indications of infrared radiation therapy.
- d. Define biofeedback and mention two clinical applications.
- e. Write short note on Russian currents.
- f. Define accommodation and write its clinical significance.

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

- a. Explain physiological and therapeutic effects of low frequency currents.
- b. Describe technique of application of faradic current for faradic re-education.
- c. Write a short essay on microcurrents and their therapeutic uses.
- d. Discuss laser therapy – principles, effects, indications and contraindications.
- e. Describe the advantages of IFT over low frequency currents.
- f. Explain safety measures and dangers in electrotherapy practice.

SECTION – B

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

- a. Describe in detail Interferential Therapy (IFT) – principle, beat frequency, electrode placement, vector scan, physiological and therapeutic effects, indications, contraindications and dangers.
- b. Explain Therapeutic Ultrasound – principles, modes, dosage parameters, physiological and therapeutic effects, indications, contraindications and dangers.

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

- a. Discuss Faradic Current – types, physiological effects, techniques (faradism under pressure and faradic re-education), indications and contraindications
- b. Explain TENS in detail – definition, types, mechanism of pain modulation, parameters, methods of application, indications, contraindications and precautions
