



Abhinav Bindra Sports Medicine and Research Institute
BPT 2nd Internal Examination February 2026

Handwritten signature and date: 24/04/26

Date: 24/04/2025
Time: 09:00 AM-12:00 PM
Question Code-O2
23ABP102

Subject: Electrotherapy
F.M.: 80 marks
Subject Code-

Long Questions- Answer Any 3 (3 X 15Marks)

1. Explain the types, waveforms and therapeutic uses of low-frequency currents in physiotherapy
2. Describe the Physiological effects, indications, contraindication and clinical applications of superficial and deep heating modalities.
3. Describe physiologic effects, contraindications and clinical implications of galvanic current.
4. Describe the composition of Paraffin wax bath. Elaborate on its contraindication.

Short Questions- Answer Any 6 (6 X 5Marks)

5. Rheobase and chronaxie
6. Degrees of nerve Injury
7. Mention three therapeutic indications of superficial heat
8. Draw the typical S-D curve of a partially innervated muscle
9. What is surged faradic current and why is it used?
10. Maxwell right hand rule
11. Methods of application of Paraffin wax bath

12. Objective type Questions- Answer all (5 X 1Mark)

- a. A common superficial heating agent used in physiotherapy is the _____
- b. Major physiological effect of superficial heat is increased local _____
- c. _____ is the minimum current intensity of infinite duration that just produces a minimal muscle contraction.
- d. Faradic current consists of shortduration interrupted pulses at a frequency of about _____
- e. _____ is transfer of Ions into tissue by using low frequency current