



Registration no:

--	--	--	--	--	--	--	--	--	--

Total Number of Pages: (01)

SUBJECT NAME: Electro Therapy -II

2nd Semester Regular Examination: 2023-24

Course: BPT

SUB_CODE: 23ABP205

BRANCH: BPT

Q. CODE: A168

Max Time: 3 Hours

Max Marks: 80

Sitting: 1st 10.00 AM to 1.00 PM

All Questions are compulsory. Illustrate answer with diagrams wherever relevant / required

The figures in the right-hand margin indicate marks.

- Q 1 Long Answer Question (Answer any one out of two) (1 X 15 marks)**
- a) Write in detail about the techniques of application of short wave diathermy
 - b) Elaborate on therapeutic effects and indications of ultraviolet radiation therapy
- Q 2 Long Answer Question (Answer any one out of two) (1 X 15 marks)**
- a) Explain the principles of cryotherapy and enlist contraindications for using it
 - b) Explain the physiological and therapeutic effects of microwave diathermy
- Q 3 Long Answer Question (Answer any one out of two) (1 X 15 marks)**
- a) Define interferential therapy and explain about it in detail
 - b) Describe how ultrasound therapy can impact inflammatory and repair process
- Q 4 Short Answer Questions (Focused) (Answer any two out of three) (2 x 5 marks)**
- a) Write about heliotherapy and its effects.
 - b) Explain briefly about effects of Laser therapy for pain relief and healing
 - c) Write about Russian currents
- Q 5 Short Answer Questions (Applied) (Answer any two out of three) (2 x 5 marks)**
- a) Describe Lewis hunting response
 - b) Enlist any three indications for Biofeedback and explain them
 - c) Write about any four cryotherapy application techniques?
- Q 6 Short Answer Case based question (Answer any two out of three) (2 x 5 marks)**
- a) What is meant by test dose in ultraviolet radiation therapy?
 - b) Write about EMG biofeedback
 - c) Describe cavitation during ultrasound therapy. How can the risk of damage due to cavitation be minimized
- Q 7 Objective Type (Selection / Supplied) (5 x 1 mark)**
- a) What are high frequency currents?
 - b) Define actinotherapy
 - c) Which currents are responsible for tissue heating in inductothermy?
 - d) Why should skin thermal sensation be tested before a heat or cold therapy is given?
 - e) What is a cathode ray tube?
