

PARUL UNIVERSITY
FACULTY OF PHYSIOTHERAPY
BPT, July 2019 Examination

Year: 2**Subject Code: 07101202****Subject Name: Electrotherapy-I and II****Date: 17/07/2019****Time: 10:00am to 01:00pm****Total Marks: 70****Instructions:**

1. All questions are mandatory
2. Figures to the right indicate full marks.
3. Draw Diagram wherever necessary.
4. Write separate sections on separate answer sheets.

SECTION- A

Q.1 TENS; Definition, theories of pain modulation, principle and techniques of treatment. **(15)**

OR

Q.1 Explain laser, properties of laser, types of laser and physiological and therapeutic uses of lasers. **(15)**

Q.2 Write Short Notes (4 out of 5) (5 Marks each) **(20)**

- (a) Basic principles of cryotherapy and techniques of applications of cryotherapy
- (b) Microwave diathermy
- (c) Phonophoresis
- (d) Paraffin wax bath
- (e) Hydrocollator packs

SECTION- B

Q.3 Methods of SWD with explanation, dangers and contraindications of SWD. **(15)**

OR

Q.3 What is radiation therapy? Explain infrared radiation **(15)**

Q.4 Write Short Notes (4 out of 5) (5 Marks each) **(20)**

- (a) Electric shock
- (b) Physiological effects of low frequency current
- (c) Faradic foot bath
- (d) Uses and limitations of Long wave Diathermy.
- (e) Pain gate theory