

PARUL UNIVERSITY
FACULTY OF PHYSIOTHERAPY
BPT, Examination November-2018

Year: 2**Subject Code: 07101202****Subject Name: Electrotherapy-I and II****Date: 20/11/2018****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 Describe in detail about effects of high frequency current on body tissue. Describe physiological effects, therapeutic uses & dangers of Short Wave Diathermy. **(15)**

OR

Q.1 Explain in detail about physiological and therapeutic effects of UVR. Add a note on test dose. **(15)**

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

- (a) Indication , contraindication and dangers of Infra-Red Rays
- (b) Radiations of Electromagnetic spectrum
- (c) Techniques of application and contraindication of Cryotherapy
- (d) Production, effects and uses of Micro Wave Diathermy
- (e) Methods of application and used drugs in Phonophoresis

SECTION- B

Q.1 Describe different modes of TENS along with its therapeutic effects and uses. **(15)**

OR

Q.1 Write in details the type of faradic current, parameters of stimulation, its effects and uses. **(15)**

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

- (a) Principles, physiological and therapeutic uses and technique of Iontophoresis
- (b) Causes, severity and treatment of Electric shock
- (c) Add a note on uses of I.F.T
- (d) Electrical currents for the Care of Wounds
- (e) Explain Snell's law and inverse square law and its practical application