

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF PHYSIOTHERAPY
BPT, November – 2018 Examination

Year: 2

Subject Code: 07101206

Subject Name: Biomedical Physics

Date: 27/11/2018

Time: 10:00am to 12:00pm

Total Marks: 35

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 What is Electromagnetic spectrum? Draw a neat diagram & Tabulate & write a note on Properties, the frequencies & wavelengths of various Electromagnetic Radiation. **(15)**

OR

Q.1 Define A.C and D.C, Faradic & Galvanic currents currents ? Explain therapeutic & Physiological properties of Short & Long Pulse Duration Interrupted Direct current **(15)**

Section -B

Q.1 Write Short Notes. (4 out of 5) (5 Marks each) **(20)**

- (a) Electro-Magnetism & Electro-Magnets
- (b) Thermionic Valves
- (c) Transformer
- (d) Half wave & full wave rectification
- (e) Environmental Currents