

[LO 6275]

FEBRUARY 2019

Sub. Code: 6275

**BPT DEGREE EXAMINATION  
FIRST YEAR**

**(Regulations for the candidates admitted from 2017-2018 onwards)**

**PAPER IV – BASIC AND APPLIED PHYSICS FOR  
PHYSIOTHERAPY**

*Q.P. Code : 746275*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 15 = 30)**

1. Describe in detail about the various laws governing radiations.
2. Define Pulley. Explain the system, types and application of pulleys in Physiotherapy.

**II. Write notes on:** **(10 x 5 = 50)**

1. Triode valve.
2. Elasticity.
3. Types of capacitor.
4. Ammeter.
5. Line of gravity and base of support.
6. Properties of magnet.
7. Angle of pull of a muscle.
8. Static electric charge.
9. Types of Levers.
10. Light Emitting Diodes (LED).

**III. Short answers on:** **(10 x 2 = 20)**

1. Energy.
2. Medium frequency currents.
3. Hooke's law.
4. Phototherapy.
5. Farad.
6. Biomechanics.
7. Fuse.
8. Electron.
9. Therapeutic current.
10. Ferro magnet.

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