

[LI 6254]

FEBRUARY 2016

Sub. Code: 6254

**FIRST YEAR BPT EXAMINATION  
PAPER IV – BASIC AND APPLIED PHYSICS FOR  
PHYSIOTHERAPY**

*Q.P. Code : 746254*

**Time: Three hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Define Equilibrium. Explain about types of Equilibrium and its application in Physiotherapy.
2. Define Condenser. Write in detail about types, principles, factors determining capacity of Condenser.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Rheostat.
2. Gravity.
3. Potentiometer.
4. Construction and uses of Triode Valve.
5. Law of Grotthus and Implications.
6. Rectifiers.
7. Pulleys and its application in Physiotherapy.
8. Hooke's law.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Choke coil
2. Momentum
3. Voltmeter
4. Electromagnetic spectrum
5. Speed
6. Static electricity
7. Insulators
8. Solid friction
9. Lenz Law
10. Frequency

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