

[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
