

[LG 6254]

FEBRUARY 2015

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 levers. Describe different orders of lever, its function and application of levers in the field of physiotherapy.
2. Explain the principle, construction, working and uses of Transformer.

II. Write notes on:**(8 x 5 = 40)**

1. Cosine law
2. Smoothing circuits
3. Thermionic valve
4. Ammeter
5. Capacitors
6. Types of equilibrium
7. Pulleys
8. Force

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

1. Ohm's law
2. Difference between earth shock and electric shock
3. Inertia
4. Latent heat of vaporization
5. Energy
6. Power
7. Joule's law
8. Insulators
9. Work
10. Proton
