

[LJ 6254]

AUGUST 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 Levers. Explain the function, classification and application of Levers in physiotherapy and order of Levers with example of Lever in human body.
2. Explain in detail about AC and DC currents.

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

1. Cathode ray oscilloscope
2. Diode valve
3. Resistance in series and parallel
4. Pulleys
5. Properties of magnet
6. Axes and planes
7. Ammeter
8. Rheostat

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

1. Define acceleration
2. Define Speed
3. Vanthoff Law
4. Define Gravity
5. Impedance
6. Define Velocity
7. Lenz's Law
8. Sinusoidal current
9. Energy
10. Static equilibrium

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