BPT DEGREE EXAMINATION
FIRST YEAR
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 Electric Current. Explain in detail about thermal, chemical and magnetic effects of Electric Current.

2. Explain in detail about the physical effects on Heat and Radiation and laws governing radiation.

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

1. Ammeter.
2. Voltmeter.
3. Springs in series and Parallel.
4. Pendular movement.
5. Levers in Physiotherapy.
6. Thermionic Valve.
7. DC Currents.
8. Wheat stone bridge.

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

1. Molecular Theory.
2. Thermionic emission.
3. Eddy currents.
4. Uses of condenser.
5. Ohm's Law.
6. Farad.
7. S-D Curve.
8. Earth Shock.
9. Fuse.
10. Concurrent forces.

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