

[LD 6254]

AUGUST 2013

Sub. Code: 6254

FIRST YEAR BPT EXAM**PAPER IV – BASIC AND APPLIED PHYSICS FOR PHYSIOTHERAPY***Q.P. Code : 746254***Time: Three Hours****Maximum: 100 marks****I. Elaborate on:****(2X20=40)**

1. Define Equilibrium. Explain about the types and equilibrium in static & dynamic state how its related to physiotherapy?
2. Define electric current. Explain in detail about thermal, chemical and magnetic effects of electric current.

II. Write Notes on:**(8X5=40)**

1. Force – definition, classification and composition
2. Capacitors
3. Rheostat
4. Physical effect of heat & radiation
5. Law of Grotthus and its implication
6. Semi-conductors.
7. Gravity
8. Springs in series & Parallel.

III. Short Answers:**(10X2=20)**

1. State Hooke's law
2. Ohm's Law
3. Cosine Law
4. Define Work
5. Define Momentum
6. Friction
7. Triode valve
8. Electric Shock
9. Lenz's Law
10. Voltmeter.
