

[LP 6254]

AUGUST 2019

Sub. Code: 6254

**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 Springs. Write its properties and explain springs in series and parallel.
2. Explain in detail about the rectifiers and smoothing circuits.

II. Write notes on:

(8 x 5 = 40)

1. Concurrent force system.
2. Wheatstone bridge.
3. Factors determining stability of an object.
4. Electric shock.
5. Ammeter.
6. Oscillators.
7. Types of levers.
8. Molecular theory of magnet.

III. Short answers on:

(10 x 2 = 20)

1. Types of motion.
2. Voltmeter.
3. Energy.
4. High frequency currents.
5. Springs.
6. Reflection.
7. Ohm's law.
8. Inductance.
9. Gravity.
10. Movement arm.
