

[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. Ammete
6. Oscillators.
7. Types of levers.
8. Molecular theory of magnet.

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

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

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