

## **MOST Important Questions** **XI PHYSICS-2016**

### **Chap#02**

- i.  $\vec{A} \cdot \vec{B} = \vec{A} \cdot \vec{B}$
- ii.  $\vec{A} \cdot (\vec{B} + \vec{C}) = \vec{A} \cdot \vec{B} + \vec{A} \cdot \vec{C}$
- iii.  $\vec{A} \times \vec{B} = \vec{A} \times \vec{B}$
- iv. Area of parallelogram

### **Chap#03**

- i. Case I (when two bodies hang vertically)
- ii. Elastic collision in one dimension

### **Chap#04**

- i. Centripetal acceleration (full topic)
- ii. Projectile (full topic)

### **Chap#05**

### **Chap#06**

- i. Variation of 'g' with depth and altitude.
- ii. Weightlessness in satellites.

### **Chap#07**

- i. Work-energy Equation
- ii. conservative field

### **Chap#08**

- i. Newton formula for speed of sound and Laplace correction. Effect of temperature and pressure
- ii. Doppler effect (Case I and II)

### **Chap#09**

- i. S.H.M proof in uniform circular motion
- ii. Newton rings.
- iii. Diffraction grating
- iv. Interference in thin film
- v. Bragg's law

### **Chap#10**

- i. Compound microscope
- ii. Astronomical telescope
- iii. Combination of thin film