

AUTUMN BREAK H.H/W PHYSICS

CLASS- XII

1. COMPLETE THE CHAPTERS: a) wave optics b) atom & nuclei
2. Make all possible derivations from these above chapters.

AUTUMN BREAK H.H/W PHYSICS

CLASS- XI

1. Analogy between translational & rotational motion
2. Theorem on moment of Inertia a) $I_z = I_x + I_y$ b) $I_a = I_o + Ma^2$
3. MI of long thin st. rod about an axis perpendicular to its length & passing through its mid-pt.
i.e $I = MI^2/l^2$ at the extreme $I = MI^2/l^3$
4. Newton's law of gravitation $F = Gm_1m_2/r^2$
5. Escape speed $v_e = \sqrt{2gR_E}$ orbiting speed $v_{orb} = \sqrt{gR_E}$