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.

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CLASS-XI

- 1. Analogy between translational & rotational motion
- 2. Theorem on moment of Inertia a) Iz=Ix +Iy b) Ia= Io+ Ma²
- 3. MI of long thin st. rod about an axis perpendicular to its length & passing through its mid-pt. i.e $I = MI^2/I^2$ at the extreme $I = MI^2/I^3$
- 4. Newton's law of gravitation $F = Gm1m2/r^2$
- 5. Escape speed $v_e = \sqrt{2gR_E}$ orbiting speed $v_{orb} = \sqrt{gRE}$