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# Circular Motion Physics Chapter Important Notes 12th Hsc

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Circular Motion | Definition, Equations, Formulas, Units ...

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(c) Condition for leaving circular path:-  $\sqrt{2} g l < v A \sqrt{5} g l$ . Non-uniform circular motion:- (a) The velocity changes both in magnitude as well as in direction. (b) The velocity vector is always tangential to the path. (c) The acceleration vector is not perpendicular to the velocity vector. (d) The acceleration vector has two components.

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Circular Motion When a particle moves in a plane such that its distance from a fixed (or moving) point remains constant then its motion is called as the circular motion with respect to that fixed (or moving) point. That fixed point is called centre and the distance between fixed point and particle is called radius.

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Circular Motion - When a body moves such that it always remains at a fixed distance from a fixed point then its motion is said to be circular motion. The fixed distance is called the radius of the circular path and the fixed point is called the center of the circular path.