7 A turntable is rotating at a constant number of revolutions per second. What is the relationship between the angular velocity of a point on the turntable and the distance of the point from the centre of the turntable?

    A Angular velocity is directly proportional to the distance.
    B Angular velocity is inversely proportional to the distance.
    C Angular velocity is directly proportional to the distance squared.
    D Angular velocity is independent of distance.