

MDCAT Physics Chapter 3 Rotational and circular motion Online Test

A angular speed B. Ilnear acceleration C. angular acceleration D. none of these Angular displacement in rotational motion is expressed in B. A A	Sr	Questions	Answers Choice
2 Angular displacement in rotational motion is expressed in 3 On slightly disturbing a body which is an unstable equilibrium, its center of gravity 4 A stone attached to one end of a string is revolved around a stick so that the string winds on the stick and gets shortened) What is conserved) 5 The ratio of the SI unit to the C)G.S unit of torque is. 6 A couple produces 7 Two satellites are going around the earth at a height of 250 km and 450 km respectively. If angular speed for both is same, then centripetal acceleration will be. 8 What happens to the centripetal acceleration of a particle, when its speed is doubled and angular velocity is halved? 9 If the radius of the circular path of particle going around the circle is doubled without changing its frequency of rotation, then centripetal force on it is. 10 Suppose the difference in the size of the size of radius r. the difference in tensions at the lowest point and the highest point is.	1	Torque is necessary for producing.	B. linear acceleration C. angular acceleration
3 On slightly disturbing a body which is an unstable equilibrium, its center of gravity 4 A stone attached to one end of a string is revolved around a stick so that the string winds on the strick and gets shortened) What is conserved) 5 The ratio of the SI unit to the C)G.S unit of torque is. 6 A couple produces A 10 ^{9 6 A couple produces A 20^{0. 10⁹0. 10⁹0. 10⁹0. 10⁹0. 10^{0. Sup>10^{0. None A more for first B. more for second C. same for both angular speed for both is same, then centripetal acceleration will be. 8 What happens to the centripetal acceleration of a particle, when its speed is doubled and angular velocity is halved? 9 If the radius of the circular path of particle going around the centripetal force on it is. 10 A body of mass m tied to a string is moved in a vertical circle of radius r. the difference in tensions at the lowest point and the highest point is. A stone attached to one end of a string is moved in a vertical circle of radius r. the difference in tensions at the lowest point and the highest point is.}}}}	2	Angular displacement in rotational motion is expressed in	B. <i>m²</i> C. Nms-1
A stone attached to one end of a string is revolved around a stick so that the string winds on the stick and gets shortened) What is conserved) A 10 The ratio of the SI unit to the C)G.S unit of torque is. A 10 A 10 The ratio of the SI unit to the C)G.S unit of torque is. A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 10 A 1	3	On slightly disturbing a body which is an unstable equilibrium, its center of gravity	B. falls C. remains constant
The ratio of the SI unit to the C)G.S unit of torque is. B. 10 ⁹ C. 10 ⁹ D. 10 ⁹ C. 10 ⁹ D. 10 ³ A. linear motion B. rotational motion C. both (A) and (B) D. None Two satellites are going around the earth at a height of 250 km and 450 km respectively. If angular speed for both is same, then centripetal acceleration will be. A. more for first B. more for second C. same for both D. nothing can be decided What happens to the centripetal acceleration of a particle, when its speed is doubled and angular velocity is halved? B. doubled C. remain unchanged D. becomes four times If the radius of the circular path of particle going around the circle is doubled without changing its frequency of rotation, then centripetal force on it is. A body of mass m tied to a string is moved in a vertical circle of radius r. the difference in tensions at the lowest point and the highest point is.	4		B. kinetic energy C. linear momentum
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	10	A body of mass m tied to a string is moved in a vertical circle of radius r. the difference in tensions at the lowest point and the highest point is.	B. 4 mg