

Answer: Option B

26. In angular motion, Newtons second law of motion is

A. $F=ma$

B. $F=?p/?t$

C. $? = 1a$

D. all above

Answer: Option c

27. Angular speed of seconds hand of a watch in rads-1 is

A. ?

B. $?/2$

C. $?/30$

D. $?/180$

Answer: Option c

28. The shaft of a motor rotates at a constant angular speed of 360rev/min. Angle turned through in 1 sec in radian is

A. ?

B. $3?$

C. $6?$

D. $12?$

Answer: Option D

29. What is outward force acting on a mass of 10 kg when rotating at one end an inelastic string 10m long at speed of 1m/s?

A. 1N

B. 10N

C. 2N

D. 100N

Answer: Option A

30. If we whirl a stone at the end of a string in the vertical circle, it is likely to break when the stone is

A. at the highest point

B. at the lowest point

C. at any point during motion

D. at the point where gravity is not

acting

Answer: Option B

Techofworld.In