

Civil Engineering Applied Mechanics MCQ Questions and Answers Pdf Download

1. The length of a Second's pendulum is
 - a. 99.0 cm
 - b. 99.4 cm
 - c. 100 cm
 - d. 101 cm
 - e. 101.10 cmAns: B
2. A rigid body suspended vertically at a point and oscillating with a small amplitude under the action of the force of gravity is called
 - a. simple pendulum
 - b. compounder pendulum
 - c. second's pendulum
 - d. none of theseAns: B
3. Centrifugal force acting on a body, moving along a circular path, will be
 - a. proportional to centripetal force
 - b. inversely proportional to centripetal force
 - c. equal and similar to centripetal force
 - d. equal and opposite to centripetal forceAns: D
4. The vehicle moving on a level circular path will exert pressure such that reaction on
 - a. outer wheels will be more
 - b. inner wheels will be more
 - c. inner as well as outer wheels will be equal
 - d. none of theseAns: B
5. Newton's law of motion of rotation which states, Everybody continues in its state of rest or uniform motion of rotation about an axis unless it is acted upon by some external torque is
 - a. first law of motion
 - b. second law of motion
 - c. third law of motion
 - d. fourth law of motionAns: A
6. The motion of a bicycle wheel is
 - a. translatory
 - b. rotary
 - c. rotary and translatory
 - d. curvilinearAns: C
7. When a body moves round a fixed axis, it has
 - a. a rotary motion
 - b. a circular motion
 - c. a translatory
 - d. a rotary motion and translatory motionAns; B

8. A satellite moves in its orbit around the earth due to
- Gravitational force
 - Centripetal force
 - Centrifugal force
 - None of these
- Ans: B
9. The locus of the instantaneous centre of a moving rigid body, is
- straight line
 - involute
 - centroid
 - spiral
- Ans: C
10. A stone is whirled in a vertical circle, the tension in the string is maximum
- when the string is horizontal
 - when the stone is at the highest position
 - when the stone is at the lowest position
 - at all the positions
- Ans: C

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