

QUIZ NO: 306

TOPIC: ENGINEERING MECHANICS

DATE: 25/06/2020

1. The algebraic sum of the resolved parts of a number of forces in a given direction is equal to the resolved part of their resultant in the same direction. This is as per the principle of?
- A. Forces
 - B. Independence of forces
 - C. Dependence of forces
 - D. Resolution of forces

Answer : D

2. The centre of gravity of a uniform lamina lies at?
- A. The centre of heavy portion
 - B. The bottom surface

- C. The intersection of symmetric axis
- D. All of the above

Answer : C

3. Which of the following do not have identical dimensions?
- A. Momentum and impulse
 - B. Torque and work
 - C. Kinetic energy and potential energy
 - D. Moment of a force and angular momentum

Answer : D

4. Two non-collinear parallel equal forces acting in opposite direction?
- A. Balance each other
 - B. Constitute a moment
 - C. Constitute a couple
 - D. Constitute a moment of couple

Answer : C

5. The locus of the instantaneous centre of a moving rigid body, is?

- A. Centroid
- B. Centrode
- C. Centre of gravity
- D. None of the above

Answer : B

6. The angles between two forces to make their resultant a minimum and a maximum respectively are?

- A. 0° and 90°
- B. 180° and 90°
- C. 90° and 180°
- D. 180° and 0°

Answer : D

7. The angle which an inclined surface makes with the horizontal when a body placed on it is on the point of moving down, is called?

- A. Angle of repose
- B. Angle of friction
- C. Angle of inclination
- D. None of these

Answer : A

8. If a body moves in such a way that its velocity increases by equal amount in equal intervals of time, it is said to be moving with?

- A. A uniform retardation
- B. A uniform acceleration
- C. A variable acceleration
- D. A variable retardation

Answer : B

9. The inherent property of a body which offers reluctance to change its state of rest or uniform motion, is?

- A. Weight
- B. Mass
- C. Inertia
- D. Momentum

Answer : C

10. The total time of collision and restitution of two bodies, is called?

- A. Time of collision
- B. Period of collision
- C. Period of impact
- D. All the above

Answer : D



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Quiz

ANSWER KEY



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