

QUIZ NO: 329

TOPIC: ENGINEERING MECHANICS

DATE: 18/08/2020

1. Forces are called coplanar when all of them acting on body lie in

- [1] One point
- [2] One plane
- [3] Different planes
- [4] Perpendicular planes

Answer : B

2. Which of the following do not have identical dimensions?

- [1] Momentum and impulse
- [2] Torque and work
- [3] Kinetic energy and potential energy
- [4] Moment of a force and angular momentum

Answer : D

3. Which of the following is not the unit of distance?

- [1] Angstrom
- [2] Light year
- [3] Micron
- [4] Milestone

Answer : D

4. The forces, which meet at one point, but their lines of action do not lie in a plane, are called?

- [1] Coplanar non-concurrent forces
- [2] Non-coplanar concurrent forces
- [3] Non-coplanar non-concurrent forces
- [4] Intersecting forces

Answer : B

5. When trying to turn a key into a lock, following is applied?

- [1] Coplanar force
- [2] Lever
- [3] Moment
- [4] Couple

Answer : D

6. One Joule is equivalent to?

- [1] 9.81 Newton metre
- [2] 1 Newton metre
- [3] 1 kg wt metre
- [4] 1 dyne metre

Answer : B

7. The product of either force of couple with the arm of the couple is called?

- [1] Resultant couple
- [2] Moment of the forces
- [3] Resulting couple
- [4] Moment of the couple

Answer : D

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

- [1] Centroid
- [2] Centrede
- [3] Centre of gravity
- [4] None of the above

Answer : B

9. On the ladder resting on the ground and leaning against a smooth vertical wall, the force of friction will be?

- [1] Downwards at its upper end
- [2] Upwards at its upper end
- [3] Perpendicular to the wall at its upper end
- [4] Zero at its upper end

Answer : D

10. Frictional force encountered after commencement of motion is called?

- [1] Limiting friction
- [2] Kinematic friction
- [3] Frictional resistance
- [4] Dynamic friction

Answer : D

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