Engineering Mechanics Objective Type Questions and Answers Pdf

1. The angle of inclined plane with the horizontal when a body placed on it is on the verge of sliding down is known as
   a. Angle of friction
   b. Cone of friction
   c. Coefficient of friction
   d. Angle of repose
   Ans: A

2. The maximum angle upto which grains can be heaped is known as
   a. Angle of friction
   b. Cone of friction
   c. Coefficient of friction
   d. Angle of repose
   Ans: D

3. Compared to static friction, dynamic friction is
   a. More
   b. Same
   c. Less
   d. Depending upon the value of coefficient of friction it may be more or less
   Ans: C

4. Friction is a kind of
   a. Active force
   b. Reactive force
   c. Body force
   d. None of the above
   Ans: B

5. The efficiency of a self locking machine is
   a. 100%
   b. More than 50%
   c. Less than 50%
   d. None of the above
   Ans: C

6. A point on the wheel of a moving vehicle is having
   a. Rectilinear translation
   b. Curvilinear motion
   c. Rotation
   d. General plane motion
   Ans: D

7. A body is said to have plane motion when
   a. It moves in a straight line on a plane surface
   b. It moves in a curved path on a plane surface
   c. It rotates around a point
   d. It possesses translation as well as rotation
   Ans: D

8. In a velocity time curve the slope represents
   a. Velocity

    b. Acceleration
    c. Displacement
    d. None of the above
       Ans: B

9. In a velocity time curve area under the curve represents
    a. Displacement
    b. Velocity
    c. Acceleration
    d. None of the above
       Ans; A

10. In acceleration time curve, the velocity is represented by
    a. Slope of the curve
    b. Ordinate of the curve
    c. Area under the curve
    d. None of the above
       Ans: C