

Engineering Mechanics Quiz Questions and Answers Pdf

1. If a projectile is fired at angle α with initial velocity u , it traces the
 - a. Circular path
 - b. Parabolic path
 - c. Catenary path
 - d. Elliptic path
2. The system of forces acting on a moving body is in a dynamic equilibrium with the inertia force of the body. This law is known as
 - a. D' Alembert's principle
 - b. Work energy principle
 - c. Impulse momentum theorem
 - d. Lami's theorem

Ans: B

3. One watt of power is equal to
 - a. One joule of work done per second
 - b. One kilo-joule of work done per second
 - c. One kilo-joule of work done per minute
 - d. One joule of work done per minute

Ans: A

4. In a system, if the resultant force is zero, initial momentum remains equal to the final momentum. This law is known as
 - a. Impulse momentum equation
 - b. Conservation of momentum
 - c. Work energy equation
 - d. Equilibrium equation

Ans: B

5. A motion in which acceleration of the body is directly proportional to its displacement and directed toward the origin is called
 - a. Angular motion
 - b. Curvilinear motion
 - c. Circular motion
 - d. Simple harmonic motion

Ans: D