

## Physics ECAT Pre Engineering Chapter 3 Motion and Force Online Test

Sr	Questions	Answers Choice
1	During the upward motion of the projectile, the vertical component of velocity.	A. Decreases B. Increases C. Remains constant D. None of these
2	If $m$ means mass of gases objected per second from a rocket and $v$ shows the change in velocity, than $mv$ is named as:	A. Force B. Energy C. work D. impulse
3	Change in momentum is one second called.	A. Impulse B. Force C. Energy D. Work
4	The collision in which KE is conserved but momentum is not conserved is called:	A. Elastic collision B. Inelastic collision C. any these D. None of these
5	When the mass of the colliding body is much larger than the mass of the body at rest, its velocity after collision.	A. Becomes half B. Becomes zero C. Remains same D. Becomes double
6	If two bodies of equal masses moving in the same direction collide elastically, then their velocities.	A. Are added B. Are subtracted C. Do not change D. Are exchanged
7	Acceleration in a body is always produced in the directin of:	A. Velocity B. Weight C. Force D. Botha B and C
8	A train cover 90 km in half an hour. the time taken by it to travel 15 km will be:	A. 20 minutes B. 48 minutes C. 10 minutes D. 5 minutes
9	The path followed by the projectile is known as:	A. Cycle B. Hyperbola C. Trajectory D. Route
10	During the upward motion of the projectile, the vertical component of velocity:	A. Decreases B. Increases C. Remains constant D. None of these
11	Change in momentum is one second is called:	A. Impulse B. Force C. Energy D. Work
12	Which quantity has the same dimension as that of impulse?	A. KE B. Power C. Momentum D. Work
13	The product of force and time is called change in:	A. Momentum B. Impulse C. Force D. Both a and b
14	Newton's first law is also called:	A. Law of torque B. Law of force C. Law of inertia D. None of these
15	Acceleration in a body is always produced in the direction of :	A. Velocity B. Weight C. Force D. Both B and C

