

1st Year Fsc Physics Online Test

Sr	Questions	Answers Choice
1	If a body of mass 5 kg is raised vertically through a distance of 1 m, then work done is.	A. 49 J B. 4.9 J C. 490 J D. 0.49 J
2	The work done will be maximum when angle between F and d.	A. 180° B. 0° C. 90° D. 60°
3	SI unit of work	A. Newton B. Watt C. Pascal D. Joule
4	The unit of work in base unit is	A. $\text{Kg m}^{-1} \text{ sec}^{-2}$ B. Kgm sec^{-2} C. $\text{Kgm}^2 \text{ sec}^{-1}$ D. $\text{Kgm}^{-1} \text{ sec}^{-1}$
5	The dimensions of work are.	A. $[\text{MLT}^{-1}]$ B. $[\text{MLT}^{-2}]$ C. $[\text{ML}^2\text{T}^{-2}]$ D. $[\text{MLT}]$
6	Work is negative when angle between F and d is	A. 45° B. 0° C. 90° D. 180°
7	Work has dimension lime	A. Torque B. Momentum C. Velocity D. Power
8	If the initial velocity of a projectile becomes doubled, the time of fight will be.	A. Same B. 4 times C. Double D. 3 times
9	The maximum range of projectile is 100 km, Take $g=10 \text{ ms}^{-2}$, the initial velocity of the projectile will be.	A. 1000 kms^{-1} B. 1 kms^{-1} C. 10 kms^{-1} D. 100 kms^{-1}
10	the acceleration along x-axis direction in case of projectile is.	A. Zero B. Equal to gravity C. Maximum D. Constant
11	The acceleration of a projectile along x axis is.	A. Zero B. Increase C. Decrease D. Equal to 'g'
12	The horizontal range of a projectile of 30° with horizontal is same at an angle.	A. 40° B. 45° C. 90° D. 60°
13	Height of projectile is maximum at an angle of.	A. 45° B. 60° C. 30° D. 90°
14	A ball is thrown up with 20 ms^{-1} at an angle of 60° with x-axis, the velocity of the ball at the top position is.	A. 0 ms^{-1} B. 10 ms^{-1} C. 20 ms^{-1} D. 16 ms^{-1}
15	For maximum range the angle of projection must be	A. 30° B. 45° C. 60° D. 90°

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- 16 The path followed by a projectile is known as its
- A. Range
B. **Trajectory**
C. Cycle
D. Height
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- 17 The shape of trajectory of short range projectile is
- A. Straight line
B. Circle
C. Elliptical
D. **Parabolic**
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