

## Physics ICS Part 1 Chapter 3 Online Test

Sr	Questions	Answers Choice
1	Food rich in proteins is:	A. potato B. grapes C. vegetables D. bread
2	An immediate source of energy for our body is:	A. mango B. <span style="color: rgb(32, 33, 36); font-family: arial, sans-serif; font-size: 32px;">Glucose</span> C. mushroom D. meat
3	If the initial velocity of a projectile becomes doubled, the time of flight will be.	A. Same B. 4 times C. Double D. 3 times
4	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
5	the acceleration along x-axis direction in case of projectile is.	A. Zero B. Equal to gravity C. Maximum D. Constant
6	The acceleration of a projectile along x axis is.	A. Zero B. Increase C. Decrease D. Equal to 'g'
7	The horizontal range of a projectile of $30^\circ$ with horizontal is same at an angle.	A. $40^\circ$ B. $45^\circ$ C. $90^\circ$ D. $60^\circ$
8	Height of projectile is maximum at an angle of.	A. $45^\circ$ B. $60^\circ$ C. $30^\circ$ D. $90^\circ$
9	A ball is thrown up with $20 \text{ ms}^{-1}$ at an angle of $60^\circ$ with x-axis, the velocity of the ball at the top position is.	A. $0 \text{ ms}^{-1}$ B. $10 \text{ ms}^{-1}$ C. $20 \text{ ms}^{-1}$ D. $16 \text{ ms}^{-1}$
10	For maximum range the angle of projection must be	A. $30^\circ$ B. $45^\circ$ C. $60^\circ$ D. $90^\circ$
11	The path followed by a projectile is known as its	A. Range B. Trajectory C. Cycle D. Height
12	The shape of trajectory of short range projectile is	A. Straight line B. Circle C. Elliptical D. Parabolic
13	The trajectory of a projectile is.	A. Circle B. Parabola C. Hyperbola D. Straight line
14	The angle of projection for which its maximum height and horizontal range are equal	A. $46^\circ$ B. $56^\circ$ C. $66^\circ$ D. $76^\circ$
15	The ballistic missiles are used only for	A. Long range B. Short range C. Medium range

		D. Constant range
16	The horizontal component of velocity of projectile	A. Increases B. Decreases C. Remain same D. Decreases and then increases
17	An athlete runs with a speed of $12 \text{ ms}^{-1}$ . Determine the longest jump he can undertake.	A. 12 m B. 14.4 m C. 24 m D. 16.2 m