

**TEST NO. 4****CH - 4****PHYSICS****Time Allowed: 15 Minutes****CLASS 9<sup>TH</sup> - 2020****Paper: (Objective Type)****Maximum Marks: 12**

**Note :** You have four choices for each objective type question as A, B, C and D. The choice which you think is Correct, fill that circles in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q. No.	QUESTIONS	(A)	(B)	(C)	(D)
1.	The number of vectors that can be added by head to tail rule is.	2	3	5	4
2.	If 10 Newton force is making an angle 30° with x-axis, then value of horizontally component is.	4N	5N	7 N	8.7 N
3.	In right angle triangle, length of base is 4 cm and is hypotenuse is 5 cm, then length of perpendicular is.	1 cm	3 cm	20 cm	9 cm
4.	The turning effect of a force is called.	Momentum	Torque	Pressure	Work
5.	The net torque acting on a rotating body with uniform speed is.	1	2	5	0
6.	The centre of gravity of irregular shaped body can be found with help of	Gravity	Metre rod	Plump line	Screw gauge
7.	Two equal but unlike parallel forces having different line of action produce.	Torque	A couple	Equilibrium	Neutral equilibrium
8.	First condition of equilibrium is..	$\Sigma \tau$	$\Sigma F = 0$	$\frac{\Sigma Fx}{Fy} = 0$	$\frac{\Sigma Fy}{Fx} = 0$
9.	Racing car are made stable by.	Increasing their speed	Decreasing their mass	Lowering their centre of gravity	Decreasing their width
10.	Value of $\tan 45^\circ$	0.5	1,732	0.577	1
11.	The types of equilibrium are	3	2	1	4
12.	When centre of gravity is at the highest position, body will be in.	Neutral equilibrium	Stabel equilibrium	Unstable equilibrium	None of these

	A B C D	A B C D	A B C D	A B C D	A B C D
1	(A) (B) (C) (D)	(A) (B) (C) (D)	(A) (B) (C) (D)	(A) (B) (C) (D)	(A) (B) (C) (D)
2	(A) (B) (C) (D)	(A) (B) (C) (D)	(A) (B) (C) (D)	(A) (B) (C) (D)	(A) (B) (C) (D)
3	(A) (B) (C) (D)	(A) (B) (C) (D)	(A) (B) (C) (D)	(A) (B) (C) (D)	(A) (B) (C) (D)

نوٹ: معروضی سوال نامے کو توجہ سے پڑھیں اور ہر MCQ کی درست آپشن A, B, C, D کو پین کی سیاہی یا مارکر سے اس طرح چھ کرین کہ سیاہی دائرے سے باہر نہ نکلے۔ ایک سے زیادہ دائروں کو بھرنے یا کاٹ کر بھرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔