ne:	Subject: Physics	Class: 9 <sup>th</sup>	Time: 80 minutes	Total Marks:	4
Chapter No.3	MJDexpert.com		Obtained marks		
				-	1
Note: Please attem	npt any 10 short	questions fron	n Question 2. A	lso, attempt	
	bot	h parts			
(a and b	) of Question 3.	Cutting and re	emoval of any c	ontent is	
,	strictly	prohibited	,		
0.1: Tick (🖌) the correct	answer.	promoteur			
1. The coefficient of	friction between w	wood and concre	te is:		
A) 0.8 B) 0.2	C) 0.9 D) 0.6	2			
2. The unit of weigh	t in the Internation	al System of Uni	its is:		
A) Dyne B) Kil	ogram C) Poun	d D) Newton	I		
3. When a horse pul	Is a cart, the action	is on the:			
A) Cart B) Hor	se C) Earth	D) Earth and car	t		
4. Centripetal force	always acts	to the motion o	of a body:		
A) Opposite B	) Parallel C) Pei	rpendicular I	D) Upward		
5. Newton's first law	v of motion is valid	only in the abse	nce of:		
A) Momentum	B) Friction C)	Net force D)	Force		
6. The centripetal ac	celeration is invers	sely proportiona	l to:		
A) Mass B) Ve	locity C) Radius	s D) Mass an	d radius		
7. Inertia depends u	pon:				
A) Force B) Ne	et force C) Mass	5 D) Velocity	ion of two hadio	o io.	
a. In an isolated syst	Constant C) D	marter the com	Sion of two bodies	5 15:	
A) increases a 9 The force that on	poses the motion of	of a body is:	2010		
A) Momentum	B) Friction	Power D) W	ork		
10. The SI unit of mo	mentum is:				
A) Newton-secon	d B) Kilogram n	neter per second	C) Joule	D) Newton	
meter				_,	

- 2. Define force and write its unit.
- 3. The weight of a body is 147N. What is its mass?
- 4. Define momentum and write the formula.
- 5. Write two advantages and two disadvantages of friction.
- 6. Define inertia. Describe two examples of inertia.
- 7. What is meant by the coefficient of friction?
- 8. State the law of conservation of momentum.
- 9. Write differences between mass and weight.
- 10. Write two ways to reduce friction.
- 11. How does a cream separator work?

Q.3: Answer the following questions:

- 1. State and explain Newton's first law of motion.
- 2. Define and prove the law of conservation of momentum.

For more test, past papers and notes related to 9<sup>th</sup>,10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> class visit MJDEXPERT.COM