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Student Name:	T	-/=/	Test oches	Class:	9th
Paper Type:	Chapter#3			Subject:	Physics (SNC)
Paper Time:	1 Hour	TES	TJOT MAKER	Maximum Marl	ks: 30
1. An object w	the correct option. Vith a mass of 5kg mass		-		(6X1=6) onstant force then posite direction. The
force acting o	on the object is:				
(A) 5N	(B) –10N		(C) –12N	(D) –15N
2. What type	of force is magnetic	force?			
(A) Contact fo	rce (B) Non-c	ontact force	(C) Gravitation	al force (D) Frictional force
3. Which fund	lamental force is re	sponsible for	holding atoms	together?	
(A) Gravity	(B) Electr	omagnetism	(C) Strong nuc	lear force (D) Weak nuclear force
4. Which fund	lamental force is re	sponsible for	the beta decay	of radioacti	ive materials?
(A) Gravity	(B) Electr	omagnetism	(C) Strong nuc	lear force (D) Weak nuclear force
5. What is the	normal force in a fi	ee body diagr	am?		
(A) A contact	force (B) A non	-contact force	(C) A frictional	force (D) A tension force
6. What type	of force is required	to change the	motion of an o	bject?	
(A) Contact fo	rce (B) Non-c	ontact force	(C) External fo	rce (D) Internal force
Q2. Write do	wn short answers o	f following qu	estions.		(7X2=14
[i] Give 5 examples of contact forces.			[ii] Why has not Newton's first law been proved		
	•		on the Earth?		·
F3.D	. –				
[iii] Prove that F=ma			[iv] What is an electronic balance?		
[v] What is the effect of friction on energy?			[vi] What happened to momentum when velocity		
			increases?		
[vii] What is th	ne mathematical repi	resentation of			
conservation of momentum?					
Q3. Write	e detailed answers o	of the followin	」 g questions.(A	nswer any 2	(2X5=10)
1. Explain the	concept of changed	particle and de	escribe the elect	romagnetisn	n forces.
2. What force	is required to increas	se the velocity	of 800kg car for	m 10ms ⁻¹ to 3	30ms ⁻¹ in 10 seconds?
(Numerical Pr	oblem)				
3. A 10kg bloc	k moves a frictionles	s horizontal su	rface with acce	leration of 2r	ns⁻². What is the force
acting an the	block?				