Question Paper

Subject: Science

Grade: 9th

Set-14(MIXED SET)

Q.N	Folder name & Questio n Code	Topic	Question with Answer Option	Image (If Any)	Correct Answer (Option- A,B,C,D)
1	1_3 Scienc e 7325	7.DIVERSIT Y IN LIVING ORGANISM	Among these species, which one appeared most recently on the earth?	appeared	
			Answer Options		
	Option A Fish	Option B Reptiles	Option C Man	Option D Birds	
2	4_23 Science 9045	9.FORCE AND LAWS OF MOTION	The momentum of a moving object is a measure of its motion, and is defined as the product of its mass and velocity. That is why, in common experience, the impact of hitting a moving object depends both on its size (mass) and its speed (velocity). What would be the unit of momentum?		С
			Answer Options		

	Option A Kg x s	Option B Kg x m x s	Option C Kg x m/s	Option D Kg x m/s			
3.	3_16 Science	10.GRAVI TATION	The density of water is 1 g/cm ³ . If each of these liquids X, Y and Z is immiscible in	Liquid	Mass (g)	Volume (cm³)	С
	2422		water, which of them will float on water?	Χ	5.4	5	
				Υ	46	50	
				Z	130	100	
	1	I	Answer Options	L. Comment	1		1
	Option A All the three liquids will float	Option B Liquids X and Z will float	Option C Liquid Y will float	The information	Option D on given is not e	enough to decide	
4	4_23 Science 9062	11.WORK AND ENERGY	Take a paper or Styrofoam cup, and make a small hole with a sharpened pencil on the side of the cup near its bottom. Hold your thumb over the hole as you fill the cup with water. Remove your thumb. Water will flow out as shown here. Take the same cup. Again, seal the hole with your thumb and fill the cup. Drop the filled cup from a height as shown here and observe it carefully while it falls. What will happen to the water flow WHILE THE CUP IS FALLING?			С	

			Answer Options		
	Option A The flow of water	Option B The flow of water will	Option C The flow of water will remain unchanged	Option D The water will overflow from the top of the cup	
	will increase	almost stop			
5	4_23 Science 9045	9.FORCE AND LAWS OF MOTION	The momentum of a moving object is a measure of its motion, and is defined as the product of its mass and velocity. That is why, in common experience, the impact of hitting a moving object depends both		С
			on its size (mass) and its speed (velocity). What would be the unit of momentum?		
			Answer Options		
	Option A Kg x s	Option B Kg x m x s	Option C Kg x m/s	Option D Kg x m/s	

6	3_17 Science 1507	11.WORK AND ENERGY	Potential energy is dependent object's mass and its possible kinetic energy is dependent speed. A roller coaster seaches S, passing through which graph BEST descrand kinetic energy of the during motion? (Potenti Kinetic energy - black)	sition (height), while lent upon its mass and tarts from P and gh loops on the way. ibes how the potential e roller coaster change al Energy - grey;	P Q	Loop 1 R	A
				Answer Options			
	Option	Option B	Optio	on C		Option D	
7	A Euclida Fereign	B. P Q At different p	Kinetic energy R At different points In Physics, work is sa	aid to be done if an	Energy Levels	Q R S different points	A
	Science	AND	unbalanced force r	noves its point of			
	2407	ENERGY	application through a in the direction of fo pictures BEST illustrat	rce. Which of these es work being done?			
				Answer Options			
	Opti	on A	Option B	Option (Option D	

	We're Moving! Headlight H						
8		cience 40	11.WORK AND ENERGY	In which of these simple machines is the output force (exerted by the machine) GREATER than the input force (exerted by the user)?			В
	•			Answer Options			
	Option A Beam balance	Option I Wheel barrow	Fishii	on C g rod		Option D Scissors	
9	4_23 Science 9060	11.WORK AND ENER	GY identical springs. In	nown in the figure are the positions shown, nore stored energy?	Spring 1 Spring 2		A
		I	1	Answer Options			
	Option A Spring 1 has more stored energy.	Option I Spring 2 h more stor energy.	Both have the sai	ion C me stored energy.	It dep	Option D ends on the spring's material.	

10	4_23	12.SOUND	The table below shows the speed of sound	Medium	Speed of sound (m/s)	State	В
	Science		in different substances. The names of the	Air (0°C)	331	gas	
	0050		substances are given in alphabetical order.	Copper	4760	solid	
	9059		Which of these substances does NOT	Cork	500	solid	
			follow the pattern of the speed of sound in materials of different states of matter?	Helium (0°C)	965	gas	
			in materials of different states of matter!	Hydrogen	1284	gas	
				Kerosene (25°C)	1324	liquid	
				Lead	1960	solid	
				Mercury	1452	liquid	
				Rubber	1830	solid	
				Water (20°C)	1482	liquid	
			A transport Ontions	A CONTRACTOR OF THE PARTY OF TH	1402	liquiu	
			Answer Options				
				T			
	Option A	Option B	Option C		Option D		
	Air	Cork	Mercury		Water		
11	4_23	12.SOUND	The question is related to the speed of				В
	Science		sound. If the formula,				
	0050		v = K + 0.6T gives the speed of sound in air				
	9058		(v) in metres per second, where T is the				
			temperature of the air in degrees Celsius,				
			what should K be equal to?				
			Answer Options				
	Τ	T		T			
	Option A	Option B	Option C	(1)	Option D		
	speed of	speed of	a constant representing the temperature	(the value of K c			
	sound in	sound in air	of the air	in	formation given)	
	vacuum	at 0 ⁰ C in					
	in	metres per					
	metres	second					
	per						
	second						

12	4_23 Science 9034 20.5.10	13.(Why do we fall ill)	Which of the following d caused by eating the pas germs from thi	stry infected by	(1		
			,	Answer Options		-	•
	Option A Diarrhoe	Option B Malaria	Option (Measles			Option D Cold	
13	4_25 Science 11959 12.3.6	13.(Why do we fall ill)	Smallpox, a deadly disease to have been eradicated, wa to spread through the air. that it actually sprea	rs initially thought Today, we know			С
				Answer Options			
	-		Option B Carrier mosquitoes.	Option C Contact with an infected person. Option D Contaminated food		Option D Contaminated food.	
14	14 3_16 Science		Ketki is unwell. H adds 1 teaspoon o and 8 teaspoons o litre of water and Ketki to drink a	of table salt of sugar in a I gives it to		В	

		intervals. What is Ketki n probably suffering fron		
		Answer Options		
 Option A	Option B	Option C	Option D	
Jaundice	Diarrhea	Typhoid	Pneumonia	