## I-PERIODIC TEST: 2023-24

## CLASS - IX (CBSE) SCIENCE

Time: 2 hrs.

M.M.: 50

Time: 2 hrs.			SCIE	NCE	all wolun			
General Instr	uctions : -				1 B C	10		
I. This qu	estion paper	comprises	of five S	ection	s- A, B, C and	ענ		
All que	stions are co	mpulsory.					Lada type quest	ions.
				it con	tains MCQ &	case s	tudy type quest er and Assertio	n.
Section	P consists o	fl mark au	estions, i	t conta	ins very shor	rt answ	er and Assertio	
4. Section	-D CONSISTS O	T T HEATK Qu					tions	
reason	type question	ns.	ugetions	it cor	tains short a	nswer t	ype questions ype questions	
<ol><li>Section</li></ol>	-C consists o	f 2 marks q	uestions	it cor	tains long ar	swer t	ype questions	
<ol><li>Section</li></ol>	-D consists	of 5 marks c	luestions	, it con	Italia iong		ype questions	
and the last		SE	CTION .	A [20	se Study Bas	ed Typ	e Questions)	
COMPETEN	CY BASED (	QUESTION	15 (MCC	€ Ca	se orany	,		
Question 1	ganelle whic			:t	Ilular transpo	ort syst	em and	f11
Cell or	ganelle which	h functions	both as	intrace	mulai transp			[1]
manuf	acturing pro	cess:			E.R			
	Nucleus			b)	None of the	980		
	Mitochondri	а		d)	None of the	COC		
c)				1.				[1]
Question 2	ngest cell in	the Human	body is		Times soil	d)	sperm	
The lo	ngest cell ill	b) Ne	uron	c)	Liver ceil	u)	Later of	
a) .	Nephron	0)				nd dru	os:	[1]
Question 3	elle playing		ole in de	toxify	ing poisons a	na ara	Bo .	
Organ	elle playing	important	0.0		b) Vac	uole L End	loplamic teticul	um
a)	Ribosomes		eticulum	1	d) Rou	gn Ellu	Юриши	
c)	Ribosomes Smooth End	loplasmic N	Elicar					[1]
Question 4	of the follow		propert	v of ga	as?			
Which	of the follow	ving is not a	proper	,, 0				
VVIIICI.	Gases have	a definite si	nape					
/	Case have	no delline		icher	her 7 .			
b)	Gases have to The rate of Gaseous par	liffusion of	a gas is i	lighter	lom motion	- Paris		
c)	Cassons par	ticles are ir	a state	of rance				[7
d)	Gaseous P			1	this temperat	ure in	Kelvin scale.	
Question 5	aint:0	f alcohol is	78°C. W	nat 15	375 K	d)	78 K	
The bo	oiling politice	b) 351	K	c)		127	Kelvin scale: 78 K	ized
a)	373 K	D)		Ave Let		cles in	the form of ion	[]
Question 6	Same gotate 's	high cons	sists of st	iper ei	nergenc Pra			
The st	ate of matter	WILLCIT			Liquid sta	te		
72595				b)	Plasma sta	te		
	Gaseous sta	te	ate	d)	Plasma ste			f1
a)	Rose- Einste	ent corre	acc					[1
c) 7	30511 ALW	SECTION :	to m/se	c:	/	d)	0.9 m/sec	
Question 7	ant speed of	$90  \mathrm{km/hr}  \mathrm{m}$	- / sec	·c)	90 m/sec			11 5
Conve	ert speed of speed	b) 25	mi/ see			hIfan	egative acceler	ation
a)	324 1117		1 -: 47	along	a straight pati	п. пат.	8	L)
Question 8	ly is moving acting on the	with some	velocity	ately:				
A boo	ly is moving acting on the body return	body then	. Immeu	+ veloc	ity.			
starts	action	1 - 0/ 14/11/	COLID		1-aits		· · · · · · · · · · · · · · · · · · ·	*
a)	body return	s back with	1 decreas	COMMAN	d direction w	ith aec	reasing velocity reasing velocity	
b)	body return	to mov	e in the	Conver	d direction w	ith inci	leasing .	
_\	body contil	ues to mov	e in the	[O] Waz				[
d)	body contil	lucs	11/5	wie kı	nown as:			
0	body contingente of change	of distance	with tin	ue is ki	ed			
	ate of change	Of distance	b)	spe	rdation			
Question 9			d)	reta	144.			1
Question 9	velocity				The state of the s	a wacte	or quantity	· L
Question 9 The r	velocity acceleration	n.			which one is	a vecu	or quantity.	
Question 9 The r a) c)	velocity	0	re and ve	elocity	which one is	a vecu	or quartery.	
Question 9 The r a) c) Ouestion 10	velocity acceleration	n , temperatu	re and ve	elocity velt	which one is seity perature	, a vecu	or quantity.	
Question 9 The r a) c) Question 10 Out 6	acceleration	n , temperatu	re and ve	velt tem	which one is seity sperature	a veet	or quantity	

uestion ll	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	our auestions	from (i) t	to (iv).			[1×4=4]
Read the	following and answer any j	stinct bound	daries a	nd fixe	d volu	mes, that is,	have
Calide I	lave a definite and of		- damar	to ma	intain	their shape v	when
negligil	ole compressibility.		ad abou	a hut h	arra a l	ived volume	Thev
subjects	ed to outside force. Liqui	1.1.1.	there are	Lone	Liquid	e flow and ch	ange
take up	the shape of the contain	111-	1 0	Casas	hac is	definite shap	e. no
shape,	so they are not rigid but	and volum	e of con	tainer.	Gas ha	s very low de	nsity
fixed v	olume. Gas gets the snap	ditta di bana	0 000 00	lled flu	id		
hence a	olume. Gas gets the snap are light. Gas can flow ea Which of the following sta	sily and here	aloe eha	ne of co	ntaine	r in which it is	filled?
i)	Which of the following sta	te of matter a	c)	Gas	d)	Both b and	
	a) Solid b)	Liquid					
	Distance between particl	es of matter i	c)	Gas	d)	None of the	se
	a) Solid b)	Liquid	()				
,	Compressibility is least i	Liquid	c)	Gas	d)	None of the	se
	a) Solid b)	Liquid	۲)		-,		
	Give properties of Gases	•					
Question 12	e ii	three question	e from (i	) to (iv).			[1×3=3]
Read th	e following and answer any in determine the magnitu	do of dienlac	ement i	n a give	n time	interval by fir	ding
You ca	n determine the magniture a under the velocity-time	aronh If the	a body is	unifor	mly ac	celerating we	get a
the are	ea under the velocity-time at line inclined to the time	e grapii. In the	se of no	n-unife	rmly	accelerated m	otion,
straigl	nt line inclined to the till ty-time graph can have a	ne axis. In ca	e slope o	of the ve	locity	time graph giv	ves its
veloci	ty-time graph can have a	ny snape. 110	e slope c	n the ve	locity	mine Bent - B	
accele	ration in the given time i	the given		1			7.5
Quest	ions: With reference to	the given	noctions	7(1)	7		
	graph answer the	following q	uestions		/\		
				P 20	/ 1		
E a Since	A Commence of the Commence of	16- 1- Ad. 19 2007		e 10	V	, \c,	
				0,0		20 30 40 50	1
		shavra naga	tivo acco	loration	n2 tii	me(s) →	
i)	Which part of the graph	snows nega	ion from	O to	12		
ii)	Calculate the magnitud	e of accelerat	mont bo	twoon?	11: 20 to 50	) second	
iii)	Calculate the magnitud	e of displace	ment be	tween	00 10 3	o secona.	
Question 13		C 11 J	way tha fa	lloznino	questic	mc.	[1×3=3]
Read	the following paragraph care	efully and anso	ver the jo	of wat	yuesin	ugh a coloctiv	
Wate	er follows the law of diffu	sion. The mo	vement	or wate	runto	agn a selective	acma
perm	neable membrane is calle	d osmosis. If	ne move	ment of	water	across the pi	asiiia
	brane is affected by the	mount of su	ostance (	uissoive	eu in v	vater.	
a)	Name the phenomenor	n by which ra	aisins pia	acea in	water	swell up.	tida ya kata
b)	What is Plasmolysis?	1	:12				
c)	How does exosmosis t	ake place in	a cent				
	SI	ECTION - B	[10 Ma	rks]			
ľV	ERY SHORT ANSWER	& ASSERTI	ON - RI	EASON	TYPI	OUESTION	SI
Question 1							-1
		illy eproade a	cross a	room d	110 to		F1
Question 1	smell of perfume gradua	my spreads a	icross a	iooni u	ue to .		[1
Question 1		anne atata d	livoctly, t	o solid	stata r	with out and	th
lian	is the change of ga	iseous state c	mechy i	o sonu	state v	vittiout going	
Question 1	id state.						Į.
		est western					
	e the answers of following	ig parts:				1	[1×2=2
1)	Write the unit of the	quantity obta	inea by	area ur	ider a	velocity-time	graph.
ii)	Can balanced forces a	icting on a bo	dy at re	st mov	e it? Ye	es or no.	
Question 1							
The second secon	in the blanks :						[1×3=
a)	Cork cells contain a c						
b)	The nuclear region o			called			
c)	gives flexi	bility in plan	ıts.				
Ked 7							
THE RESERVE OF THE PARTY OF THE	and the state of t						

Question no.	18 to 20, consist of two statem	nents- Assertion (A) and Reason (R). Answer t	hese
question sele	ting the appropriate option	given below:	
a) b)	soth A and R are true and R	is the correct explanation of A.	
c)	A in the said R are true and R	is not the correct explanation of A.	
	A is true but R is false. A is false but R is true.		
Question 18	a is false but K is true.		
	on (A) : If the distance trav	velled by body is directly proportional to the	
		en, then its speed is increasing with time.	[1]
Reason	(R) : The speed is equal	I to the rate of change of distance.	[-]
Question 19		to the fact of country	
	on (A): When a solid melt	ts, its temperature remains the same.	[1]
Reason	(R): It is due less kinet	tic energy of molecules.	. ,
Question 20			
Assert	on (A): It is difficult to pu	ill out the husk of coconut.	[1]
Reason	(R) : Husk of a coonut	has a sclerenchyma cells having thick walls.	
	SECTIO	N - C [10 Marks]	
0 01	SHORT ANSV	VER TYPE QUESTIONS]	
Question 21			
vvnati	the condition under which	the magnitude of average velocity of an object	is
Question 22	o its average speed. Give a s	suitable example.	[2]
	ich physical state of matter d	a the following statements 1.2	
i)	Incompressible, no fixed sha	o the following statements apply?	[2]
ii)	Compressible, no definite vo		
Question 23	Compressible, no definite ve	June	FOR
Defin	e: i) Latent heat of v	vaporisation ii) Colloidal solution	[2]
Question 24	, amountained of	aportsation ii) Conoidai solution	
The second secon	one word answer for the follow	wing:	[2]
a)	What is the living matter of a		[-]
b)	Name the chemical substance	e with water proofing property covering the	
	aerial parts of a plant.	or of the state of	
Question 25			
Expla	in why: i) Evapora	ation causes cooling?	[2]
*		xerts pressure in all the directions?	[-1
		OR	
Whic	n separation techniques will y	you apply for separation of the following?	
i)	Oil from water	ii) Butter from curd	
		ON - D [10 Marks]	
Owastian 20	[LONG ANSV	WER TYPE QUESTIONS]	
Question 26	L1		[5]
An at	niete completes one round of	a circular track of diameter 200 m in 40 secon	nd.
30 se	will be the distance covered	and the displacement at the end of 2 minutes	
50 Se	.ond.	OR	
i)	Draw velocity versus time of	wanh of a stone the	
1)	coming downward after att	graph of a stone thrown vertically upwards an aining the maximum height.	id then
ii)	A car travels 100 km distance	e with a speed of 60 km/hr and returns with average speed for the entire journey.	[2+3]
	of 40 km/hr. Calculate the a	e with the a speed of 60 km/hr and returns with a verage speed for the entire journey.	a speed
Question 2	,	verage speed for the entire journey.	reca
Drav	v a neat diagram of a plant cel	ll and label the following	
a)	Cell wall	b) Chloroplast	[3+2]
c)		d) Golgi apparatus	1
		OR	
a)	Draw and identify different	t elements of phloem	
b)	Differentiate between schle	renchyma and chlorenchyma.	
		The state of the s	
		####	

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