





## MENTORS EDUSERV TALENT REWARD EXAM (METRE) SAMPLE TEST PAPER

[For Students presently in Class 8 going to Class 9 in 2019]

## Time : 2 hours

Maximum Marks: 300

## INSTRUCTIONS

~:			INSTRUCTIONS	i i					
10 L	[A]	Ger	neral						
VIGILA		1.	This Question paper contains <b>FIVE</b> Parts, <b>A to E</b> (Physics, Chemistry, Mathematics, Biology & Mental Ability).						
Ň		2.	This Question Paper contains 16 pages.						
OM THE		3.	This question paper contains total <b>100 questions</b> ( <b>20</b> questions each in Physics, Chemistry, Mathematics, Biology and Mental Ability).						
NS FR(		4.	The Question Paper has blank spaces at the bottom of each page for rough work. No additional sheets will be provided for rough work.						
UCTIOI		5.	Blank papers, clip boards, log tables, slide rule, calculators, cellular phones, pagers and electronic gadgets, in any form, are <b>NOT</b> allowed.						
TRI		6.	6. The OMR (Optical Mark Recognition) sheet shall be provided separately.						
SNI-	[B]	Answering on the OMR							
VAIT		7.	In all the parts, each question will have 4 choices out of which only one choice is correct.	4					
ľ, AV	8. Darken the bubble with Ball Pen (Blue or Black) ONLY.								
(LE)	[C]	Filli	ing OMR	ш					
BOOK		9. On the OMR sheet, fill all the details properly and completely, otherwise your OMR will not checked.							
N THIS		<b>10.</b> Do not write anything or tamper the barcode in the registration no. box.							
DO NOT BREAK THE SEALS ON THIS BOOKLET, AWAIT INSTRUCTIONS FROM THE INVIGILATOR.	[D]	Marl	king Scheme:						
IE SI	11.	Fore	each question you will be awarded <b>3 marks</b> if you darken the bubble corresponding to the correct						
КΤ			ver ONLY and zero (0) marks if no bubble is darkened. In all other cases, minus one (–1) mark						
REA		WIII D	be awarded.						
TBF				1					
O N O	Na	me :							
Δ									
Registration No.:									

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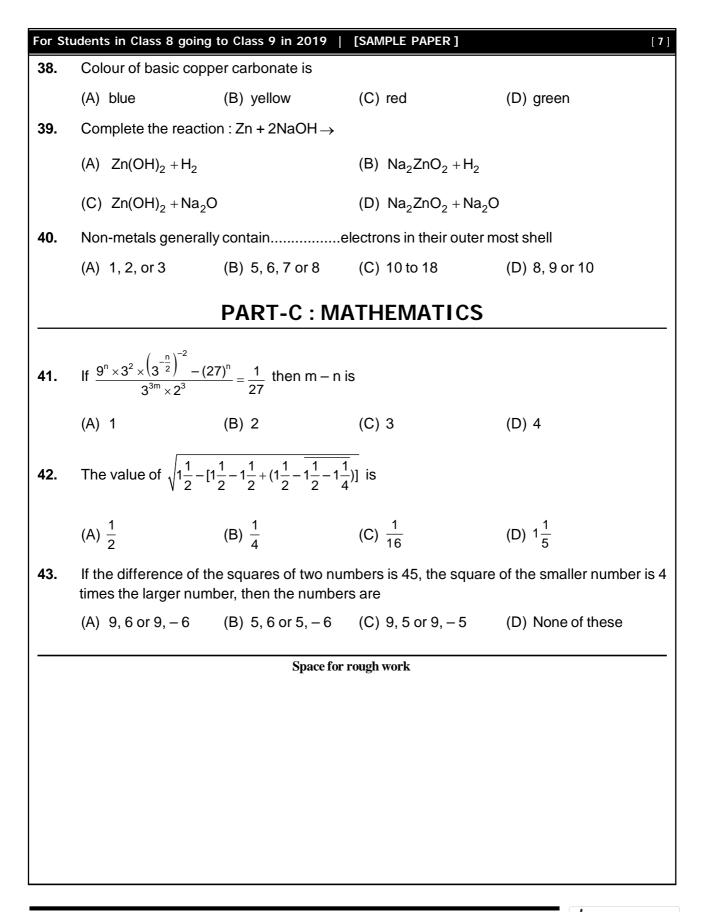
	For Students in	Class 8 going to Class	9 in 2019   [SAMPLE PAPER]
	PART-A	: PHYSICS	
What is the mome of 2 m/s ?	entum of a man of ma	ass 75 kg, when he w	alks with a uniform velocity
(A) 150 kg m/s	(B) 140 kg m/s	(C) 130 kg m/s	(D) 155 kg m/s
The vehicles gene	rally slip on the road, v	when it rains, because	
(A) friction betwee	en tyres and road is lar	ge	
(B) friction betwee	en tyres and road is no	otsufficient	
(C) inertia betwee	n tyres and road is lar	ge	
(D) inetria betwee	n tyres and road is ve	ry less	
Frictional force on	a body kept on surfac	e of the table depends	on
(A) nature of surfa	ace in contact	(B) area of contact	
(C) velocity of a bo	ody	(D) all of these	
	•	•	zontal surface with a rope of
(A)	(B) <del>F</del> m	(C) $\frac{F}{M+m}$	(D) $\frac{F}{M-m}$
On applying a con	stant force to a body, i	t moves with uniform	
(A) momentum	(B) speed	(C) acceleration	(D) velocity
Force measures ra	ite of change of	of a body	
(A) mass	(B) inertia	(C) velocity	(D) momentum
The net force actir	ng on a body of mass o	of 1 kg moving with a ι	uniform velocity of 5 ms <sup>-1</sup> is
(A) 5 N	(B) 0.2 N	(C) 0 N	(D) None of these
	Space fo	or rough work	
	of 2 m/s ? (A) 150 kg m/s The vehicles gene (A) friction betwee (B) friction betwee (C) inertia betwee (D) inetria betwee Frictional force on (A) nature of surfa (C) velocity of a bo A block of mass M mass m. The accel (A) $\frac{F}{M}$ On applying a cons (A) momentum Force measures ra (A) mass The net force actin	PART-AWhat is the momentum of a man of ma of 2 m/s ?(A) 150 kg m/s (B) 140 kg m/sThe vehicles generally slip on the road, we (A) friction between tyres and road is law (B) friction between tyres and road is law (C) inertia between tyres and road is law (D) inetria between tyres and road is law (D) inetria between tyres and road is law (C) inertia between tyres and road is law (D) inetria between tyres and road is law (C) inertia between tyres and road is law (C) inertia between tyres and road is law (C) inertia between tyres and road is law (C) velocity of a body kept on surface (A) nature of surface in contact (C) velocity of a bodyA block of mass M is pulled with a force mass m. The acceleration of the block we (A) $\frac{F}{M}$ (A) $\frac{F}{M}$ (B) $\frac{F}{m}$ On applying a constant force to a body, if (A) momentum (B) speed(A) mass(B) inertiaThe net force acting on a body of mass of (A) 5 N(B) 0.2 N	(A) 150 kg m/s(B) 140 kg m/s(C) 130 kg m/sThe vehicles generally slip on the road, when it rains, because(A) friction between tyres and road is large(B) friction between tyres and road is not sufficient(C) inertia between tyres and road is large(D) inetria between tyres and road is very lessFrictional force on a body kept on surface of the table depends(A) nature of surface in contact(B) area of contact(C) velocity of a body(D) all of theseA block of mass M is pulled with a force F along a smooth horizmass m. The acceleration of the block will be(A) $\frac{F}{M}$ (B) $\frac{F}{m}$ (C) $\frac{F}{M+m}$ On applying a constant force to a body, it moves with uniform(A) momentum(B) speed(C) velocity(A) mass(B) inertia(C) velocity(C) relocity(C) relocity(C) relocity(C) relocity(D) and of the se(D) and of the se(D) and of the se(A) $\frac{F}{M}$ (B) $\frac{F}{m}$ (C) $\frac{F}{M+m}$ (D) and of the se(A) momentum(B) speed(C) accelerationForce measures rate of change of of a body(A) mass(B) inertia(C) velocityThe net force acting on a body of mass of 1 kg moving with a trace

For St	udents in Class 8 g	oing to Class 9 in 2019	[SAMPLE PAPER]	[3]
8.	Sound wave is a	an example of		
	(A) a longitudina	al wave	(B) an electroma	gnetic wave
	(C) a transverse wave		(D) a mechanica	l wave
9.	The loudness of sound is measured in the		he units of	
	(A) joule	(B) watt	(C) decibel	(D) none of these
10.	The amplitude o	f the sound wave desci	ribes its	
	(A) speed	(B) pitch	(C) loudness	(D) source
11.	The frequency o	of a sound wave is 20 H	z. Time period of the	sound wave is
	(A) 0.05 s	(B) 0.04 s	(C) 0.02 s	(D) None of these
12.	A sound wave tra of the wave ?	avels at a speed of 330 r	ns⁻¹. If its wavelength	is 1.5 cm, what is the frequency
	(A) 220 Hz	(B) 22,000 Hz	(C) 2000 Hz	(D) None of these
13.	•	nct echoes, the minimu velocity of sound = 344		stacle from the source of sound
	(A) 17.2 m	(B) 34.4 m	(C) 172 m	(D) 344 m
14.	•	ds a sonar signal to lo d is 340 m/s. What is the	•	eives the echo after 5 s. If the y?
	(A) 0.85km	(B) 1.7km	(C) 0.425km	(D) 4.25km
15.	What is the amp	litude of the wave show	n in the figure?	
		displacement	×	
	(A) 8cm	(B) 6 cm	(C) 4 cm	(D) 2 cm
		Space fo	or rough work	

[4]		For Students in	Class 8 going to Class	9 in 2019   [SAMPLE PAPER ]
16.	A force of 50 N is a pressure developed		on a nail of area 0.0	1 sq. cm. Then the value of
	(A) 15 × 10⁵ Pa	(B) 50 × 10 <sup>6</sup> Pa	(C) 50 × 10⁻ੰ Pa	(D) 15 × 10⁻⁵ Pa
17.	The total force exer	ted by the body perpe	ndicular to the surface	e is called
	(A) pressure	(B) thrust	(C) impulse	(D) none of these
18.	The atmosphere ex	erts a pressure of P c	on the surface of earth	, then P equals :
	(A) 1.01 × 10⁵ Nm⁻	2	(B) 1.01 × 10⁻⁵ Nm	-2
	(C) 1.01 × 10 <sup>7</sup> Nm <sup>-</sup>	2	(D) 1.01 × 10⁻² Nm	-2
19.	The speed of sound	d is maximum in		
	(A) Air	(B) Hydrogen	(C) Water	(D) Iron
20.	•	ted by the weight of the blo		ide 4 cm on the surface is
	(A) 1.6 × 10 <sup>2</sup> N.	(B) 1.6 × 10 <sup>−3</sup> N.	(C) 1.6 × 10 <sup>-2</sup> N.	(D) None of these
		PART-B : C	CHEMISTRY	
21.	Which of the followi	ng is thermosetting p	olymer?	
	(A) Nylon-6	(B) Bakelite	(C) Nylon-66	(D) SBR
22.	Which of the following	ng is biodegradable p	olymer?	
	(A) Polythene	(B) Bakelite	(C) PHBV	(D) PVC
23.	Among the following	g, a natural polymer is	i	
	(A) cellulose	(B) PVC	(C) polyethylene	(D) teflon
		Space fo	r rough work	

For St	udents in Class 8 g	oing to Class 9 in 2019	[SAMPLE PAPER]	[5]
24.	German silver is	a mixture of		
	(A) copper and	zinc		
	(B) copper and	tin		
	(C) copper, nick	kel and zinc		
	(D) aluminium,	copper and traces of M	lg and Mn	
25.	The reducing ag	gent in thermite proces	s is	
	(A) Mg	(B) Al	(C) Cr	(D) Fe
26.	The constituent	of haemoglobin is		
	(A) iron	(B) sodium	(C) copper	(D) magnesium
27.	Natural rubber is	s which type of polyme	r ?	
	(A) Condensati	on polymer	(B) Addition poly	/mer
	(C) Coordination polymer (D) None of these			Se
28.	8. Formation of terylene is an example of			
	(A) condensation	on polymerisation	(B) addition poly	rmerisation
	(C) esterification	n	(D) saponification	n
29.	Nylon is not a			
	(A) condensation	on polymer	(B) polyamide	
	(C) copolymer		(D) homopolyme	er
30.	Polyethylene is			
	(A) random cop	oolymer	(B) homopolyme	er
	(C) alternate co	polymer	(D) cross-linked	copolymer
		Space f	or rough work	

[6]		For Students i	n Class 8 going to Class	s 9 in 2019   [SAMPLE PAPER]	
31.	Which of the foll	owing metal reacts vigo	orously with oxygen?		
	(A) Zinc	(B) Magnesium	(C) Sodium	(D) Copper	
32.	Which metal is u	used for making foils in	packing of food mater	ials?	
	(A) Copper	(B) Platinum	(C) Aluminium	(D) Sodium	
33.	The lustre of a n	netal is due to			
	(A) its high dens	sity	(B) its high polishi	ing	
	(C) its chemical	inertness	(D) presence of fr	ee electrons	
34.	An alloy which d	oes not contain copper	is		
	(A) solder	(B) bronze	(C) brass	(D) bell metal	
35.	Some crystals of would be	copper sulphate were c	lissolved in water. The	colour of the solution obtained	
	(A) green	(B) red	(C) blue	(D) brown	
36.	The incorrect sta	atement about metals is	8		
	(A) metals have a lustre		(B) metals are ma	(B) metals are malleable	
	(C) metals are r	non-ductile	(D) metals form p	ositive ions	
37.	An alloy of zinc a In this evolution	••	in dilute hydrochloric a	acid. Hydrogen gas is evolved.	
	(A) only zinc rea	acts with dilute hydroch	loric acid		
	(B) only copper	reacts with dilute hydro	ochloric acid		
	(C) both zinc ar	nd copper react with dilu	ite hydrochloric acid		
	(D) only copper	reacts with water.			
		Space	for rough work		



[8]		For Students in	n Class 8 going to Class	9 in 2019   [SAMPLE PAPER]
44.	-			e the age of the father will be the two sons is 15 years, the
	(A) 100 years	(B) 70 years	(C) 60 years	(D) 50 years
45.	The roots of the eq	uation $\sqrt{\frac{x}{1-x}} + \sqrt{\frac{1-x}{x}}$	$=\frac{13}{6}$ are	
	(A) $\frac{3}{13}, \frac{2}{13}$	(B) $\frac{13}{6}, \frac{11}{6}$	(C) $\frac{9}{13}, \frac{4}{13}$	(D) None of these
46.	The value of $\frac{2^{m+3} \times 6^{r}}{6^{r}}$	$\frac{3^{2m-n} \times 5^{m+n+3} \times 6^{n+1}}{^{n+1} \times 10^{n+3} \times 15^{m}} \text{ is }$	equal to	
	(A) 0	(B) 1	(C) 2 <sup>m</sup>	(D) 2
47.	The value of $\frac{2^{1/2} \times 10^{-1}}{10^{-1}}$	$\frac{3^{1/3} \times 4^{1/4}}{4^{1/5} \times 5^{3/5}} \div \frac{4^{-2/3} \times 5^{-1}}{4^{-3/5} \times 6^{-1}}$	7/5 1/3 is	
	(A) 10		(C) 6	(D) 18
48.	$1^{13} + 2^{13} + 3^{13} + \dots$	-		
	(A) 61	(B) 64	(C) 63	(D) 60
49.	If $2^x = 4^y = 8^z$ and x	$yz = 288$ then $\frac{1}{2x} + \frac{1}{4y}$	$\frac{1}{7} + \frac{1}{8z}$ equals	
	(A) <del>7</del> 96	(B) $\frac{11}{96}$	(C) $\frac{13}{96}$	(D) $\frac{15}{96}$
50.	If $a^m \cdot a^n = a^{mn}$ then	m(n – 2) + n (m – 2)	is equal to	
	(A) 1	(B) – 1	(C) 0	(D) $\frac{1}{2}$
		Space f	or rough work	

For St	udents in Class 8 going	g to Class 9 in 2019	[SAMPLE PAPER ]	[9]
51.	The fraction $\left(\frac{a^{-2}-b}{a^{-1}-b}\right)$	$\left(\frac{1}{p^{-2}}\right)^{-1}$ is equal to		
	(A) a <sup>-1</sup> - b <sup>-1</sup>	(B) a <sup>-1</sup> + b <sup>-1</sup>	(C) $\frac{ab}{a+b}$	(D) $\frac{ab}{a-b}$
52.	If $2^{5x} \times 2^{x} = \sqrt[5]{2^{20}}$ the	n 'x' is equal to		
	(A) 0	(B) – 1	(C) $\frac{1}{2}$	(D) $\frac{2}{3}$
53.	If a and b are natura	al numbers such that	$\left(\frac{1}{a}\right)^{\frac{1}{b}} = 0.\overline{3}$ , then the value	ue of ab is :
	(A) 81	(B) 24	(C) 192	(D) 375
54.	The value of the exp	presion $\frac{0.777\times0.3}{0.777+0.33}$	33×0.222 3+0.222 is equal to	0
	(A) <del>7</del> 162	(B) $\frac{162}{7}$	(C) $\frac{163}{7}$	(D) <del>7</del> 163
55.	The value of the exp	pression $\frac{1}{1+x^{a-b}+x^{a-c}}$	$+\frac{1}{1+x^{b-c}+x^{b-a}}+\frac{1}{1+x^{c-a}}$	$\frac{1}{1+x^{c-b}}$ is equal to
	(A) 0	(B) x <sup>a+b+c</sup>	(C) $\frac{1}{x^{a+b+c}}$	(D) 1
56.	The rational form of	2.74 35 is		
	(A) <u>27161</u> <u>9999</u>	(B) $\frac{27}{99}$	(C) $\frac{27161}{9900}$	(D) $\frac{27161}{9000}$
		Space for	rough work	

[ 10 ]		For Stude	nts in Class 8 going to Cl	ass 9 in 2019   [SAMPLE PAPER]
57.	If $x = 3 + \sqrt{8}$ a	and $y = 3 - \sqrt{8}$ then $\frac{1}{x^2}$	$\frac{1}{2} + \frac{1}{v^2}$ is equal to	
	(A) – 34	(B) 34	, (C) 12√8	(D) – 12√8
			(C) 1200	(D) = 1230
58.	$\frac{(x^{a+b})^2(x^{b+c})^2(x^{a+b$	$\frac{x^{c+a}}{c}$ is equal to		
	(A) – 1	(B) 0	(C) 1	(D) 2
59.	∛√0.00006	$\overline{4}$ is equal to		
	(A) 0.02	(B) 0.2	(C) 2	(D) 0.002
60.	If $x * y = \sqrt{x^2 + y^2}$	$+y^2$ , the value of (1 * 2	2 $\sqrt{2}$ ) (1 * – 2 $\sqrt{2}$ ) is :	
	(A) – 7	(B) 0	(C) 2	(D) 9
		PART	-D : BIOLOGY	
61.	Which of the grains from th	-	ould you use to harvest	a crop as well as to beat out the
	(A) Mechanic	cal harvester	(B) Combine ha	arvester
	(C) Thresher		(D) Harrow	
62.	Transplantatio	onis		
	(A) Process	of scattering the seed		
	(B) Process	of loosening and turni	ng of soil	
	(C) Process	of shifting of tiny sapli	ngs from the nursery to	a field
	(D) None of t			
		Sj	pace for rough work	

For St	udents in Class 8 going to Class 9 in 2019	[SAMPLE PAPER ]	[ 11 ]
63.	Chemical substances which are used to k	kill insects	
	(A) Fungicide (B) Insecticide	(C) Weedicide	(D) All of these
64.	Bacteria in an example of		
	(A) Prokaryotic cell (B) Eukaryotic cell	(C) Virus	(D) Protozoa
65.	Rearing and breeding of fish in pond and t	ank is called	
	(A) Aquaculture (B) Fishing	(C) Pisciculture	(D) Apiculture
66.	Virus possess		
	(A) DNA only	(B) Nucleic acid eithe	er DNA or RNA
	(C) Protein only	(D) Nucleic acid and	protein
67.	Carrier of malaria-causing protozoan is		
	(A) Female Anopheles mosquito	(B) Cockroach	
	(C) Housefly	(D) Butterfly	
68.	Who discovered vaccination against smal	l pox.	
	(A) Jenner (B) Pasteur	(C) Lister	(D) Mayer
69.	Bacteriophage is		
	(A) Virus, attacking bacteria	(B) Virus attacking vi	rus
	(C) Bacterium, attacking virus	(D) Stage in bacteria	l life cycle
70.	Yeast are economically important because	e they	
	(A) Spread plant diseases	(B) Spread animal di	seases
	(C) Are used in tea and tobacco industry	(D) Are used in wine	and baking industry
	Space for r	ough work	

[ 12 ]		For Students in	Class 8 going to Class	9 in 2019   [SAMPLE PAPER]	
71.	Asiatic lion protected	d in			
	(A) Gir Forest Natio	nal Park, Gujarat			
	(B) Sunderban Nati	onal Park, Westbeng	al		
	(C) Kanha National Park, Madhya Pradesh				
	(D) All the above				
72.	Tuberculosis caused	d by			
	(A) Virus	(B) Protoza	(C) Helminth	(D) Bacteria	
73.	Which of the followir	ng is killed for oil and	blubber?		
	(A) Tiger	(B) Blue whale	(C) Chiru	(D) All of them	
74.	Which of the followir	ng is a wildlife sanctu	ary in Rajasthan?		
	(A) Ranthambore	(B) Periyar	(C) Kaziranga	(D) Bandhavgarh	
75.	Aim of conservation	is			
	(A) To preserve the	quality of environme	nt i.e. maintain a pollu	tion - free environment.	
	(B) To ensure a con come	tinuous yield of usef	ul plants, animals and	d materials for generations to	
	(C) 1 and 2 both				
	(D) None of the abo	ve			
76.	A threatened specie	s is			
	(A) Rare	(B) Endangered	(C) Vulnerable	(D) All of the above	
77.	Elephantiasis is cau	sed by			
	(A) Anopheles mos	quito	(B) Culex mosquite	0	
	(C) tsetse fly		(D) Plasmodium		
		Space fo	r rough work		

For St	udents in Class 8 go	ping to Class 9 in 2019	[SAMPLE PAPER]	[ 13 ]
78.	Yeast contains m	naximum amount of		
	(A) Vitamin C	(B) Riboflavin	(C) Protein	(D) Carbohydrate
79.	The crop that rec	quires more irrigation is		
	(A) wheat	(B) rice	(C) maize	(D) jowar
80.	To prevent seed-	borne diseases the se	eds must be	
	(A) sown at right	t depth	(B) spaced at rigl	ht depth
	(C) sown in high	ly wet soil	(D) treated with fu	ungicide solutions
		PART-E : ME	ENTAL ABILI	ГҮ
DIRE	CTIONS (Q.Nos.			e related word/letters/number
	the given alternativ	-	<b>3</b> (1-1-1-1)	
81.	Optimist : Cheer	ful : : Pessimist : ?		
	(A) Petty	(B) Selfish	(C) Gloomy	(D) Mean
82.	YTOJ : XSNI : : V	VRMH:?		
	(A) VQLG	(B) TOJE	(C) RMHC	(D) UPKF
83.	720:840::60:	?		
	(A) 76	(B) 80	(C) 70	(D) 74
DIRE	CTIONS (Q Nos. 8	84-86): Select the one	e which is different fro	om other three alternatives.
84.	(A) Rival	(B) Opponent	(C) Foe	(D) Ally
85.	(A) 27	(B) 35	(C) 18	(D) 9
86.	(A) 9-72	(B) 8-56	(C) 11–115	(D) 10-90
		Space fo	or rough work	

[ 14 ]		For Student	ts in Class 8 going to Class	9 in 2019   [SAMPLE PAPER]		
87.	Which one of the given responses would be a meaningful order of the following?					
	1. Seed	2. Plant	3. Germination	4. Embryo		
	5. Flower	6. Fruit				
	(A) 1, 5, 3, 4, 2, 6	6	(B) 1, 4, 3, 2, 5, 6			
	(C) 6, 5, 4, 3, 1, 2	2	(D) 1, 5, 6, 4, 2, 3			
88.	Arrange the follow	ving words as per or	der in the English diction	ary.		
	1. Live	2. Litter	3. Little	4. Literacy		
	5. Living					
	(A) 3, 4, 2, 1, 5	(B) 3, 2, 4, 5, 1	(C) 4, 3, 5, 2, 1	(D) 4, 2, 3, 1, 5		
	<b>DIRECTIONS (Q.Nos.89-90) :</b> In the following questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.					
89.	1, 0, 3, 2, 5, 6, ?,	12, 9, 20				
	(A) 9	(B) 10	(C) 7	(D) 8		
90.	SHG, RIF, QJE, P	KD, ?				
	(A) NME	(B) NLB	(C) OLE	(D) OLC		
91.	There are five friends — Sachin, Kamal, Mohan, Arun and Ram. Sachin is shorter than Kamal, but taller than Ram. Mohan is the tallest. Arun is a little shorter than Kamal and a little taller than Sachin. Who is the second tallest ?					
	(A) Ram	(B) Sachin	(C) Kamal	(D) Arun		
92.	From the given alternative words, select the word which cannot be formed using the letters of the given word INCARCERATION					
	(A) RELATION	(B) TERRAIN	(C) INACTION	(D) CREATION		
	Space for rough work					

For Students in Class 8 going to Class 9 in 2019   [SAMPLE PAPER] [15]						
93.	<b>3.</b> If in a certain code 'CHARACTER' is written as '241612376' and CHILDREN' is written as '24859670', then how can 'HIRALAL' be written in the same code?					
	(A) 4861551	(B) 4861515	(C) 4685151	(D) 4685511		
94.	In an examination, 78% of the total students who appeared were successful. If the to number of failures was 176 and 34% got first class, then how many students got first class					
	(A) 272	(B) 112	(C) 210	(D) 254		
DIRE	CTIONS (Q.Nos. 95)	In these questions, se	elect the missing numbe	er from the given responses.		
95.	9 7 4					
	5 4 3					
	6 8 ?					
	49 52 25					
	(A) 6	(B) 7	(C) 4	(D) 5		
96.	Pratap starts from school and walks 7 km towards East. He takes a left and walks 4 km, then takes a right and walks 2 km, again takes a right and walks 3 km. Which direction is he facing now?					
	(A) South	(B) North	(C) East	(D) West		
97	Selected the correct number that is missing in the number series given below.					
	214, 265, 367, ? , 724					
	(A) 520	(B) 501	(C) 525	(D) 571		
Space for rough work						

[ 16 ]		For Students in	Class 8 going to Class 9	in 2019   [SAMPLE PAPER]	
DIRECTIONS (Q.No. 98): In the following questions, identify the diagram that best represents the					
	onship among the clas	-			
98.	Factory, Machinery,	Product			
	$\bigcirc \bigcirc$	0			
	$  \mathcal{Q}   \mathcal{O}  $	$\odot$			
	(A) (B)	(C) (D)			
DIRE	CTION (Q Nos. 99-10	00) : Select teh relate	d word/letters/number	from the given alternative :	
99.	Kidneys : Nephron :	: Central Nervous Sy	stem?		
	(A) Cerebrum	(B) Brain	(C) Neurons	(D) Spinal cord	
100.	4:17::7:?				
	(A) 48	(B) 50	(C) 51	(D) 49	
		Space for	rough work		

For Students in Class 8 going to Class 9 in 2019	[SAMPLE PAPER]
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	ANS	WER - KEY		
	PART-A	A : PHYSICS		
1. (A)	2. (B)	3. (A)	4. (C)	
5. (C)	6. (D)	7. (C)	8. (A)	
9. (C)	10. (C)	11. (A)	12. (B)	
13. (A)	14. (A)	15. (C)	16. (B)	
17. (B)	18. (A)	19. (D)	20. (C)	
	PART-B :	CHEMISTR	Y	
21. (B)	22. (C)	23. (A)	24. (C)	
25. (B)	26. (A)	27. (B)	28. (A)	
29. (D)	30. (B)	31. (C)	32. (C)	
33. (D)	34. (A)	35. (C)	36. (C)	
37. (A)	38. (D)	39. (B)	40. (B)	
	PART-C : I	MATHEMATI	CS	
41. (A)	42. (A)	43. (A)	44. (D)	
45. (C)	46. (B)	47. (A)	48. (A)	
49. (B)	50. (C)	51. (C)	52. (D)	
53. (A)	54. (A)	55. (D)	56. (C)	
57. (B)	58. (C)	59. (B)	60. (D)	
	PART-D	) : BIOLOGY		
61. (B)	62. (C)	63. (B)	64. (A)	
65. (C)	66. (D)	67. (A)	68. (A)	
69. (A)	70. (D)	71. (C)	72. (D)	
73. (B)	74. (A)	75. (C)	76. (D)	
77. (B)	78. (B)	79. (B)	80. (D)	
	PART-E : M	ENTAL ABIL	ITY	
81. (C)	82. (A)	83. (C)	84. (D)	
85. (B)	86. (C)	87. (B)	88. (D)	
89. (C)	90. (D)	91. (C)	92. (A)	
93. (B)	94. (A)	95. (B)	96. (A)	
97. (A)	98. (D)	99. (C)	100. (B)	

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