SKVedge

Sample Paper

(Class X studying moving to Class XI)

IMPORTANT INSTRUCTIONS

A. GENERAL:

- Please read the instructions given for each question carefully and mark the correct answers against
 the question numbers on the answer sheet in the respective subjects.
- Duration of Test is 1 Hour.
- This Test contains 35 questions divided in 3 sections. Section I and Section II contains questions of Science (Physics, Chemistry and Biology) and Mathematics. Section III contains questions of Mental Ability.
- Maximum marks are 140.

B. MARKING SCHEME:

Each subject in this paper consists of following types of sections:-

SECTION - I

- The section contains **26** questions.
- Each question has four options. *Only one* of the four option is correct.
- For each question, marks will be awarded in one of the following categories :

Full Marks : +4, If only the correct options is marked.

Zero Marks : 0, If none of the option is marked.

Negative Marks: - 1, In all other cases.

SECTION - II

- This section contains 4 questions
- Each question has four options. *One or more than one* of the four option(s) is(are) correct.
- For each question, marks will be awarded in one of the following categories :

Full Marks : +4 If only correct answer is marked Zero Marks : 0, If none of the option is marked

Negative Marks : - 1, In all other cases.

SECTION - III

- This section contains **5** questions.
- Each question has four options. Only one option is correct.
- For each question, marks will be awarded in one of the following categories:

Full Marks : +4, If only the correct option is marked.

Zero Marks : 0, If none of the option is marked.

Negative Marks: - 1, In all other cases.

All the Best!

<u>Section - I (Single Correct Answer)</u>

1.	Which of the following is the connecting link between the aves and reptiles?						
	(a) Archaeopteryx	(b) Alligator	(c) Dinosaurs	(d) Amphioxus			
2.	Deficiency of Vasopre	ficiency of Vasopressin causes a disease called					
	(a) Asthma	(b) Goiter					
	(c) Diabetes insipidus	3	(d) Diabetes mellitus	5			
3.	Saliva contains an enz	zyme called					
	(a) trypsin		(b) Ptyalin				
	(c) Lipase		(d) Pepsin				
4.	Granular structures p	ranular structures present on the rough endoplasmic reticulum are					
	(a) Lipids	(b) Pupil	(c) Sclera	(d) Yellow spot			
5.	Name the connecting	tissue that connects		?			
	• •	(b) Cartilage	(c) Ligament	(d) Tendon			
6.	The process of entry of	of pollutants into a fo	ood chain is known as	3			
	(a) Biomass		(b) Bio-magnification	n			
7	(c) Bio-accumulation	` ,	sphere				
/.	The value of accelerat	tion due to gravity is					
	(a) least on equator) malaa	(b) least on poles(d) increases from pole to equator				
o	(c) same on equator & When white light pass	-	•	-			
о.	(a) red	ses un ough the prisi	(b) blue	es the least is:			
	(c) violet		(d) green				
Q		of force move from :	() 0				
٦.	Inside a magnet lines of force move from : (a) north to south pole (b) away from north pole						
	(c) south to north pole (d) away from south pole						
10	Two parallel wires ca		•	pole			
10.	(a) attract each other		(b) repel each other(d) get moved to perpendicular to each other				
	(c) do not affect each						
11.	The numerical ratio o			•			
		(b) always = 1	(c) always > 1	(d) = or < 1			
12.	Light travels fastest in	•	•				
	(a) diamond	(b) water	(c) glass	(d) air			
13.	According to third lav	v of motion, action a	nd reaction :				
	(a) Always act on the same body						
	(b) Always act on different bodies in opposite direction						
	(c) Have same magnitude and direction						
	(d) Act on any one of	the body at normal to	o each other				
14.	4. What will happen on putting dilute HCl on iron powder?						
	(a) Hydrogen gas and	FeCl ₂ will form					
	(b) Chlorine gas and FeCl ₂ will form						
	(c) FeCl ₂ and H ₂ O will	l form					

(a) its area of cross section

15. T	he number of coval	ent bonds in ethane a	are:	
(a	a) 6	(b) 7	(c) 8	(d) 9
16. If	electronic configur	ation of an atom is 2,	,8,7, then atomic num	ber of the atoms will be:
(a	a) 15	(b) 16	(c) 17	(d) 18
17. W	hich will have elec	tronic configuration	2, 8, 2?	
	a) Na	(b) Mg	(c) Al	(d) Si
18. Cl	$H_4 + Cl_2 $ sunlight	\rightarrow CH ₃ Cl + HCl. This	reaction is	
(a	a) substitution	(b) Re	duction	
(c	c) Combination	(d) Ox	ridation	
	Ö			
40 T	he name of H—C-	—Н -		
			A . 1	
-	a) Acetone		etic Acid	
•	c) Ethanol		rmaldehyde	ul 20th (111 l
		is of an A.P. is 1050 a	na its first term is 10,	the 20 th term will be
-	a) 140			
-	o) 160			
•	c) 180			
-	l) 200 he roots of guadrat	ic constion ov? Thy	a = 0 are real and die	etingt if
	_	ic equation ax ² + bx +	c = 0 are real and dis	SUIICU II
•	a) $b^2 = 4ac$ c) $b^2 - 4ac < 0$		(b) $b^2 - 4ac > 0$	
-	ube root of 328509	ic	(d) None of these	
		(b) 66	(c) 68	(d) 69
-	a) 65 ho ratio of angles in		ien the largest angle i	
	(a) 60°	i a ti laligle 1 . 2 . 3, ti	(b) 90°	3
-	c) 120°		(d) None of these	
•		with vertices (1, -1), (• •	
	a) 20 square unit	with vertices (1, 1), ((b) 22 square unit	
•	c) 24 square unit		(d) 28 square unit	
-	-	tion of lines 7x – 15v	x - 2 = 0 and $6x + 12y$	– 18 = 0 is
		(b) $\left(\frac{49}{29}, \frac{19}{29}\right)$	(c) $\left({29}, {29}\right)$	(d) None of these
26. T	he value of $\frac{\cos 30^{\circ} \times \sin 30^{\circ}}{\cos 60}$	$\frac{2n60^o}{o}$ is		
	a) 0	(b) 0.5	(c) 1	(d) 1.5
(-	-, -		(-) _	(4) = 10
		Section - II (Mo	ore than One Correc	t answer)
27. W	hat happened to th	•	sses through the nasa	•
	a) Warmed to the bo	-	(b) Moistened by mu	•
_	c) Filtered in the na		(d) Both (a) and (b)	
-	-	onductor depends on		

(b) density

(c) melting point		(d) length	SKVedge				
• •	d						
		• •	acca				
(a) 29	(b) 30	(c) 123	(d) 14	4			
Section - III (Single Correct Answer)							
		•					
10, 100, 200, 310, ?							
(a) 400	(b) 410	(c) 420	(d) 430	0			
If 'ROHIT' is coded as	s 'SPIJU', how will 'M(OHIT' be coded?					
(a) NPIJU	(b) LNGHS	(c) ZATIU	(d) No	ne of these			
Rohan ranks 7th fron	n the top and 26tth fr	om the bottom in a cl	ass. Hov	w many students are there			
in the class?							
(a) 31	(b) 32	(c) 33	(d) 34				
34. You go North, turn right, then turn right again and then go to the left. In which direction you are							
now.							
(a) North	(b) South	(c) East	(d) We	est			
How many 4's are th	ere in the series belo	w which are preceded	d by 8 a	nd followed by 0.			
840480480480840804804840804.							
(a) 2	(b) 3	(c) 4	(d) 5				
	Which statements are (a) Lead is reduced (c) carbon is oxidized. Total two digit numbers (a) 29 10, 100, 200, 310, ? (a) 400 If 'ROHIT' is coded are (a) NPIJU Rohan ranks 7th from in the class? (a) 31 You go North, turn rinow. (a) North How many 4's are the 8404804804804804804804804804804804804804	Which statements are correct regarding to (a) Lead is reduced (c) carbon is oxidized. Total two digit numbers completely divisition (a) 29 (b) 30 Section – II 10, 100, 200, 310, ? (a) 400 (b) 410 If 'ROHIT' is coded as 'SPIJU', how will 'Mood (a) NPIJU (b) LNGHS Rohan ranks 7th from the top and 26tth from the class? (a) 31 (b) 32 You go North, turn right, then turn right a now. (a) North (b) South How many 4's are there in the series beloee 8404804804804804804804804804804804804804	Which statements are correct regarding the following reaction: (a) Lead is reduced (b) Carbon dioxide is red. (c) carbon is oxidized (d) Lead oxide is red. Total two digit numbers completely divisible by 3 are: (a) 29 (b) 30 (c) 123 Section – III (Single Correct An (Mental Ability)) 10, 100, 200, 310,? (a) 400 (b) 410 (c) 420 If 'ROHIT' is coded as 'SPIJU', how will 'MOHIT' be coded? (a) NPIJU (b) LNGHS (c) ZATIU Rohan ranks 7th from the top and 26tth from the bottom in a cliin the class? (a) 31 (b) 32 (c) 33 You go North, turn right, then turn right again and then go to the now. (a) North (b) South (c) East How many 4's are there in the series below which are preceded 8404804804808408048048048048048048048048	Which statements are correct regarding the following reaction? (a) Lead is reduced (b) Carbon dioxide is oxidiz (c) carbon is oxidized (d) Lead oxide is reduced Total two digit numbers completely divisible by 3 are: (a) 29 (b) 30 (c) 123 (d) 144 Section - III (Single Correct Answer) (Mental Ability) 10, 100, 200, 310,? (a) 400 (b) 410 (c) 420 (d) 430 If 'ROHIT' is coded as 'SPIJU', how will 'MOHIT' be coded? (a) NPIJU (b) LNGHS (c) ZATIU (d) No. Rohan ranks 7th from the top and 26tth from the bottom in a class. How in the class? (a) 31 (b) 32 (c) 33 (d) 34 You go North, turn right, then turn right again and then go to the left. I now. (a) North (b) South (c) East (d) We how many 4's are there in the series below which are preceded by 8 a 84048048048048048048048048048048048048.			

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1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
(a)	(c)	(b)	(d)	(d)	(c)	(a)	(a)	(c)	(b)
11.	12.	13.	14.	15.	16.	17.	18.	19.	20.
(d)	(d)	(b)	(a)	(b)	(c)	(b)	(a)	(a)	(d)
21.	22.	23.	24.	25.	26.	27.	28.	29.	30.
(b)	(d)	(b)	(c)	(b)	(d)	(a)(b)(c)	(a)(d)	(c)(d)	(b)(c)(d)
31.	32.	33.	34.	35.					
(d)	(a)	(b)	(c)	(b)					