

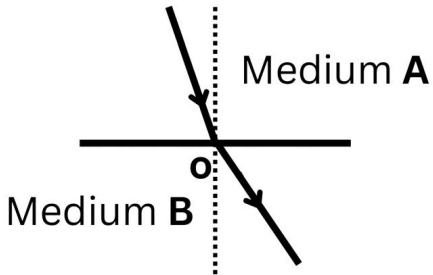


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M.M:	80
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Present School Name:-_____ Category :-_____

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14.		1
15.	(c) Assertion (A) is true but reason (R) is false.	1
16.	(b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A)	1
17.	(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).	1
18.	$H^1 = 2H$	1
19.	$\frac{1}{\sqrt{2}} = \frac{r_1}{r_2}$	1
20.	$H = 750 J$	1
Chemistry (15)		
21.	(c) The reaction of a metal with an acid.	1
22.	(a) $NaOH$	1
23.	(c) The outer surface of the beaker has become hot.	1
24.	(c) 2, 8	1
25.	(d) CaO	1
26.	(d) Both P and R are neutral salt solutions.	1
Fill in the blank. (Q. 27 to 32)		
27.	$NaHCO_3 + \underline{CH_3COOH} \rightarrow CH_3COONa + H_2O + \underline{CO_2}$	1
28.	$X - Na_2CO_3 - Sodium Carbonate$	1
29.	$Ni - Catalyst - Nickel catalyst$	1
30.	Oxidation Reaction	1
31.	<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;">2, 3 dimethyl Pentane</div> <div style="text-align: center;"> $\begin{array}{ccccccc} & H & & H & & CH_3 & & CH_3 \\ & & & & & & & \\ H & -C & & -C & & -C & & -C & & -C & & -H \\ & & & & & & & & & \\ & H & & H & & H & & H & & H \end{array}$ </div> </div>	1
32.	Aqua regia – Royal water	1
33.	(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).	1
34.	(d) Assertion (A) is false but reason (R) is true.	1
35.	(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).	1

	Mathematics (25)	
	Choose the correct answer. (Q. 36 to 40)	
36.	(c) $\frac{3+\sqrt{5}}{2}, \frac{3-\sqrt{5}}{2}$	1
37.	(d) $10x - 14y = -4$	1
38.	(b) $\frac{x^2 - 1}{2x}$	1
39.	(a) 30°	1
40.	(a) 13	1
	Fill in the blank. (Q. 41 to 47)	
41.	\sqrt{ab}	1
42.	$cx^2 + bx + a$ OR $\frac{1}{C}(cx^2 + bx + a)$	1
43.	20 cm	1
44.	100°	1
45.	500 revolutions	1
46.	17	1
47.	$P \leq 4$	1
48.	12.96 cm^2	1
49.	(a) $1.8 \times 1.4 \times 1.7$	1
50.	(d) (0, -9)	1
51.	(b) 6 units	1
	Subjective Type Questions (Q. 52 to 56)	
52.	$x = \frac{30}{11} \text{ metres}$ OR 2.72	1
53.	so the no's are 40 and 48	1
54.	$\theta = 60^\circ$	1
55.	10.8 %	1
56.	OP = 4 cm	1
57.	$n \geq 11$	1
58.	$x = 6$	1
59.	$n = 7$	1
60.	$d = 2$	1
	English (10)	
61.	(a) Both A and R are true, and R is the correct explanation of A	1
62.	(c) False, because planned obsolescence is still widely practiced despite emerging regulations	1

63.	(c) Disposable plastics : Environmental degradation	1
64.	(c) They seek to empower consumers and reduce unnecessary product disposal	1
	Fill in the blanks. (Q. 65 to 67)	
65.	<i>were</i>	1
66.	<i>had practised</i>	1
67.	<i>do we see</i>	1
68.		3
	MAT (10)	
	Solve the question based on general intelligence. (Q. 69 to 78)	
69.	(c) Grandson	1
70.	(a) Grandfather	1
71.	(a) CVT	1
72.	(b) 45	1
73.	(a) 5 m North	1
74.	(c) East	1
75.	(c) 36	1
76.	(c) 13	1
77.	(d) 4	1
78.	(b) Steps	1
