

ANSWER KEY

SAY/IMP
SECOND YEAR HIGHER SECONDARY EXAMINATION June 2023

PART-I/II/III

SUBJECT: CHEMISTRY (Special School)

CODE NO: S-2264

VERSION: _____

60 SCORES

2 HOURS

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
1		3	1	1
2		$(n-1)d^{1-10} ns^{1-2}$	1	1
3		H ₂ O	1	1
4		Swarts reaction	1	1
5		Pentan-2-one	1	1
6		Correct definition/explanation	2	2
7		Statement of Henry's law	2	2
8		$Cu(s) / Cu^{2+}(aq) Ag^+(aq) / Ag(s)$	2	2
9		Definition of molecularity	2	2
10		Any 2 Properties of d-block elements	1+1	2
11	(i)	Ionisation isomerism	1	2
	(ii)	Linkage isomerism	1	
12	(i)	Sandmeyer's reaction	1	2
	(ii)	Wurtz-Fittig reaction	1	
13	(i)	primary alcohol	1	2
	(ii)	Secondary alcohol	1	
14		(i) - (b) (ii) - (c)	1+1	2
15		Correct reason	2	2

No	Qns	Answer Key/Value Points	Score	Score
16	(i)	Definition / explanation of secondary cell	2	3
	(ii)	Any one example	1	
17	(i)	Correct definition	2	3
	(ii)	Correct Equation	1	
18		$t_{1/2} = \frac{0.693}{k}$	1	3
		Correct substitution	1	
		Correct answer	1	
19	(i)	Definition / explanation	2	3
	(ii)	Any 1 consequence	1	
20		(i) — (b)	1	3
		(ii) — (a)	1	
		(iii) — (d)	1	
21	(i)	C_6H_6 / Benzene / structure	1	3
	(ii)	CH_3-CHO / Name	1	
	(iii)	$CH_2=CH_2$ / Name	1	
22	(i)	Zymase	1	3
	(ii)	Explanation / Equation	2	
23	(i)	CH_3-CHO	1	3
	(ii)	Product formed - CH_3-OH	1	
		Name of reaction - Cannizzaro reaction	1	
24	(i)	Correct reason	2	3
	(ii)	CH_3COCH_3	1	
25	(i)	Hinsberg reagent	1	3
	(ii)	CH_3-NH_2 or (a)	1	
	(iii)	$C_2H_5-NH_2 > NH_3 > C_6H_5-NH_2$ / correct order	1	
26	(i)	Any 1 difference	2	3
	(ii)	$-CO-NH-$	1	
27	(i)	$\Delta H_{mix} = 0$	1	4
	(ii)	Any one example for ideal solution	1	
	(iii)	Statement of Raoult's law	2	

No	Qns	Answer Key/Value Points	Score	Score
28		Correct structure of cis-isomer	2	4
		Correct structure of trans isomer	2	
29	(i)	I - strong electrolyte II - weak electrolyte	1+1	4
	(ii)	Definition of molar conductivity	2	
30	(i)	$\text{CH}_3\text{-Cl}$	1	4
	(ii)	Definition / explanation	2	
	iii	Any 1 use of chloroform	1	
31	(i)	Explanation / equation of 1 test	2	4
	(ii)	Explanation / equation	2	