

Chemistry**HSSC (12th) 2nd Annual 2022**

Time : 20 Minutes

Paper : II

Objective – (iv)

Marks : 17

Roll No.

(To be filled in by the candidate)

Paper Code 8 4 8 7

Note: - You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number in your answer book. Use marker or pen to fill the circles. Cutting or filling up two or more circles will result no mark.

SECTION-A

Q.1	Questions	A	B	C	D
1.	Vinyl acetylene combines with HCl to form:	Polyacetylene	Benzene	Divinylacetylene	Chloroprene
2.	During nitration of benzene, the active nitrating agent is:	NO_3	NO_2	NO	NO_2
3.	SN_2 reaction can be best carried out with:	Primary alkyl halide	Secondary alkyl halide	Tertiary alkyl halide	Alkane
4.	Mark the correct statement:	Na^+ is smaller than Na atom	Na^+ is larger than Na atom	Cl^- is smaller than Cl atom	Cl^- and Cl are equal in size
5.	Chile saltpetre has chemical formula:	$NaNO_3$	KNO_2	$Na_2B_4O_7$	$Na_2CO_3.H_2O$
6.	Boric acid can not be used:	As antiseptic in medicine	For washing eyes	In soda bottles	For enamels and glazes
7.	Among the group VA elements, the most electronegative element is:	Sb	N	P	As
8.	Which of the given derivatives can not be prepared directly from acetic acid?	Acetamide	Acetyl chloride	Acetic anhydride	Ethyl acetate
9.	Which of the given is synthetic polymer?	Animal fat	Starch	Cellulose	Polyester
10.	In incineration of municipal solid waste, temperature ranges from:	$700 - 800^\circ C$	$800 - 900^\circ C$	$900 - 1000^\circ C$	$1000 - 1100^\circ C$
11.	The normal amount of overhead Ozone is:	350 DU	600 PPm	300 M	$200\% \frac{W}{V}$
12.	Which is not a calcarious material?	Lime	Clay	Marble	Marine Shell
13.	Rectified spirit contains ethyl alcohol about:	80%	95%	90%	85%
14.	The carbon atom of a carbonyl group is:	sp hybridized	sp^2 hybridized	sp^3 hybridized	dsp^2 hybridized
15.	Which is the strongest acid?	$HClO$	$HClO_2$	$HClO_3$	$HClO_4$
16.	The total number of transition elements is:	10	14	40	58
17.	Ethers show the phenomenon of:	Position isomerism	Geometrical isomerism	Metamerism	Functional group isomerism

311-422-2A-1600

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CANCELED