A
7

Roll No._____ to be filled in by the candidate

(For All Sessions)

Group - I

		T	1 200	.3
Paper Code	8	4	8	3

Chemistry(Objective Type)

Time:20 Minutes Marks:17

NOTE: Write answers to the questions on objective answer sheet provided. Four possible answers A, B, C & D to each question are given. Which answer you consider correct, fill the corresponding circle A, B, C or D given in front of each question with marker or pen ink on the answer sheet provided.

1.1.	1.1. When acetylene is passed through a copper tube at 300°C, it polymerizes to:											
	(A)	Butene	(B)	Benzene	(C)	n-Hexane	(D)	Neoprene				
2.	2. Which of the following does NOT decolourize acidified KMn O ₄ at room temperature:											
	(A)	Benzene	(B)	Toluene	(C)	Ethylbenzene	(D)	All can discharge				
3.	3. When Co ₂ is made to react with ethyl Magnesium bromide followed by acid hydrolysis the product formed is:											
	(A)	Propane	(B)	Propanoic acid	(C)	Propanol	(D)	Propanal				
4.	4. Which enzyme is not involved in fermentation of starch?											
	(A)	Urease	(B)	Zymase	(C)	Diastase	(D)	Invertase				
5.	. Formalin is solution of formaldehyde in water:											
	(A)	10%	(B)	20%	(C)	60%	(D)	40%				
6.	Aceti	ic acid is manufactured by:										
	(A)	Distillation	(B)	Fermentation	(C)	Ozonolysis	(D)	Esterification				
7.	7. Which of these polymer is a synthetic fibre?											
	(A)	Polyester	(B)	Animal fat	(C)	Cellulose	(D)	Starch				
8.	The r	nitrogen present in some ferti	lizers l	helps plants:								
	(A)	To produce fat			(B)	To produce protein						
	(C)	To fight against diseases			(D)	To undergo photosynthe	sis					
9.	News	spaper can be recycled again	and ag	gain by how many times?								
	(A)	5	(B)	3	(C)	2	(D)	4				
10.	Whic	ch of the following gas has th	e high	est mean residence time i	in the a	tmosphere?						
	(A)	CH ₄	(B)	NO	(C)	NO_2	(D)	СО				
11.	Keepi	ng in view the size of atoms,	which	order is the correct one?								
	(A) 1	Mg > Sr	(B)	Ba > Mg	(C)	Lu > Ce	(D)	Cl>I				
12.	12. Which ion will have maximum value of heat of hydration?											
	(A)	Na ⁺	(B)	Cs ⁺²	(C)	Ba ⁺²	(D)	Mg ⁺²				
13.	Tinc	al is Mineral of:										
	(A)	Al	(B)	В	(C)	Si	(D)	С				
14.	Whic	ch of the following species ha	is the r	maximum number of unp	aired e	lectrons?		- 2				
	(A)	O_2^-	(B)	O_2^+	(C)	O_2	(D)	O_2^{-2}				
15.	15. Which halogen occure naturally in a positive oxidation state?											
	(A)	Fluorine	(B)	Chlorine	(C)	Bromine	(D)	Iodine				
16.	Grou	p VI-B of transition element	s cont	ains:								
	(A)	Zn,Cd,Hg	(B)	Fe, Ru, Os	(C)	Cr, Mo, W	(D)	Mn, Te, Re				
17.												
	(A)	Sp^3	(B)	•	(C)	Sp	(D)	Dsp ²				
				633-12-S-★ 7	₹- 104	180						