THE POPTION EX	AMINATION - I Marks: 70			
STD: XII HALF PORTION EXAMINATION - 1 Marks: 70 CHEMISTRY Time Allowed: 3.00 Hrs.				
Time Allowed: 3.00 Hrs. PART-	-1 15 X 1 = 15			
I. Choose the correct answer:	order reaction?			
Which one of the following is called pseudo-first-				
a) Decomposition of acetaldehyde	d) Decomposition of hydrogen peroxide			
c) Isomerisation of cyclopropane to propene				
2. Phenol on oxidation with acidified K ₂ Cr ₂ O ₇ gives	b) 1,4- benzoquinone			
a) 1, 4 – dihydroxy benzene	d) cumene			
c) cyclohexanol 3. 2 – methyl but -2 – ene on ozonolysis gives				
	c) both (a) & (b) d) none of the above			
a) ethanol	with acetaldehyde in presence of dilute			
A. The product obtained when formattery NaOH is				
a) 3-hydroxy propanol	b) 3-hydroxy propanal			
c) 2-hydroxy propanol	d) 2-hydroxy propanal			
5. The coordination number of zinc sulphide is				
a) 3 b) 4	c) 6 d) 8			
6. Glycerol can be oxidised to meso oxalic acid by	V September 2015 Total Control of the Control of th			
a) dii HNO ₃ b) HIO ₄	c) Bismuth nitrate d) Fenton's reagent			
7. Which one of the following is the strongest aci	d			
a) 2 – nitrophenol b) 4 – chlorophenol	c) 4 – nitrophenol d) 3 – nitrophenol			
a) 2 - nitrophenol b) 4 - ellotepasses 8. Assertion: 2,2 - dimethyl propanoic acid give	HVZ reaction.			
8. Assertion: 2,2 – dimethyl propanoic acid doe Reason: 2 – 2, dimethyl propanoic acid doe	s not have a - hydrogen atom			
Reason: 2 – 2, dimethyl propanole acid doc a) if both assertion and reason are true and rea	son is the correct explanation of assertion.			
a) if both assertion and reason are true and rea	son is not the correct explanation of assertion.			
	son is not the correct explanation of assertion.			
c) assertion is true but reason is false				
d) both assertion and reason are false.	A STATE OF THE PARTY OF THE PARTY OF			
9. Wolframite ore is separated from tinstone by	the process of			
a) Smelting b) Calcination c)	Roasting d) Electromagnetic separation			

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10. The geometry at	which carbon atom in diame	ond are bonded to ea	ach other is		
a) Tetrahedral				these	
11. P ₄ O ₆ reacts with					
a) H ₃ PO ₃	b) H ₄ P ₂ O ₇	è) HPO ₃	d) H ₃ PO ₄		
12. The vacant space	e in bcc lattice unit cell is				
a) 48%	b) 23%	c) 32%	d) 26%		
13. If the initial cond	centration of the reactant is	doubled, the time fo	r half-reactio	n is also	
doubled. Then the	ne order of the reaction is				
a) Zero	b) one	c) Fraction	d) none		
14. The pH of 10 ⁻⁵ N	A KOH solution will be				
à) 9	b) 5	c) 19	d) none o	f these	
15. Which one of the following is Zeigler – Natta catalyst?					
a) CO ₂ (CO) ₈	b) Rh/Ir complex	c) [TiCl4] + A	.l(C ₂ H ₅) ₃	d) Fe / Mo	
	PAR	T-II			
II. Answer any six	questions. Question No. 2-	is compulsory.		6 X 2 = 12	
16. Describe a metho	od for refining nickel.				
17. Explain the Ethy	l borate test				
18. What are intersti	tial compounds? Give an ex	xample.			
19. Give examples for first order reaction.					
20. Discuss the Lowry - Bronsted concept of acids and bases.					
21. How is phenol prepared from isopropyl benzene?					
22. Explain the Fehling's solution Test for aldehyde.					
23. Write any two m	ethods of preparing ethers.				
24. Calculate the pH	of solution with hydronium	m ion concentration	1.34×10^{-1}	-3M.	
		T-III			
III. Answer any six	questions. Question No	33 is compulsory.		6 X 3 = 18	
25. What is catenatio	n? What are conditions are	e necessary for cat	enation?		
26. What is inter halo	ogen compounds? Write th	e Properties of int	er halogen c	ompounds.	
27 Give the reaction	of cold and hot conc. H2S	SO ₄ with KMnO ₄ ?			
28. What are molecul	ar crystals? Explain the c	lassification with s	suitable exar	nples.	