Subject Code : 1 3 7

1

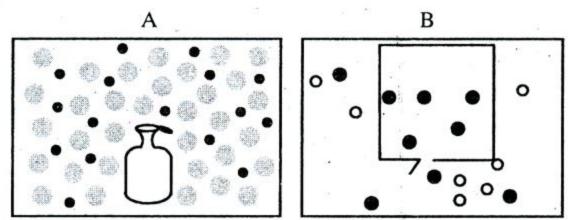
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Model Question of SSC Examination 2016

Sub: Chemistry (Creative)

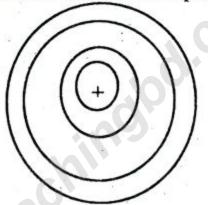
Time: 2 Hours 10 minutes Total Marks-40 (Answer any four of the following Questions)

1. ▶



- a. What is the colour of pH paper if solution pH = 7?
- b. What is the role of water in chemical properties of acid? 2
- c. In stem smell spread out process A &B same or different?
 Explain.
- d. Analyze the hazards of stem two process with causes. 4

2.



- a. What is the percentage of copper present in Duralumin?
- b. What is the spot removing technique ofbleaching powder?2
- c. How many elements denoted by sten atomic structure?
 Explain.
- d. Arrange the orbital according to the orcer of energy which is possible for stem atomic structure with logic.

3. ▶

X	HA		1.5									IIIA	IVA	VA	VIA	VIIA
]							10						A	В
		IIB	IVB	VB	VIB	VIIB	_	- VIII	_	18	118					C
Υ	1		Ι.													
									+1							
	-	-	1			-	-		,						_	L

- a. What are the monomer for melamine polymer?
- b. Why people use Lime at the bee affected place on body? 2

Why periodic number and Oxidation Number are not

It stem X & Y gas related with Acid rain or not? Analyze

How many Metal found calculate using stem reaction?

2

3

4

b.

c.

d.

same?

with related recation.

Subject Code : 1

Model Question of SSC Examination 2016

Γime: 35 minutes	Sub. Chemistry (MCQ)	Total Marks- 3
		••••••••••••••••••••••••••••••••••••••

ime: 35 minutes	Total Marks- 3
Darken the circle (O) of the correct	option from the following alternatives1
	8. What is the pH of X gas aqueous
1. Which pure substances has strongest	solution may be possible—
intermolecular forces?	i. 10 ii. 9
ⓐ Arⓑ H₂C − OH	iii. 6
© CO ₂ @ CaO	Which one is correct?
2. What element is in Group 5A and in	(a) i (b) i & ii
the third period?	© ii & iii
(a) N (b) Cl	9. Which of the following is base?
© Al @ P	Soft drinks
3. Which element with the eletron	© Vinegr @ Washing soda
configuration 1s ² 2s ² 2p ⁶ 3s ² 3p ⁴ ?	10. For the presence of which one of the
(a) Si (b) S	following aqueous solution is basic?
© O @ P	(a) NO ₃ ion (b) OH ion
4. Gasohol—	© NO ₂
i. One kind of fuel	11. $C_{12}H_{22}O_{11} + H_2SO_4 = 12C + 11H_2O +$
ii. Petrol mixed will 10-20% Ethanol	H ₂ SO ₄
iii. Aqueous solution of CH ₃ -CH ₂ -OH	Which one is dehydrating agent?
Which one is correct?	(a) C ₁₂ H ₂₂ O ₁₁ (b) H ₂ SO ₄
② i ⑤ iii	© C @ H ₂ O
© i & ii	
5. Which bears the unique identity of an	12. The formula of barium molybdate is BaMoO ₄ . What is the formula of
atom?	
i. Mass Number	sodium molybdate?
ii. Atomic Number	(a) Na ₄ Mo O (b) Na ₂ Mo O ₃
iii. Nucleon Number	© NaMo O @ Na ₂ Mo O ₄
Which one is correct?	13. How many electrons are there in a
(a) i (b) ii	copper (II) ion (Cu ²⁺)?
© ii & iii	(a) 29 (b) 26
6. Which of the following Metal Extract	© 27
heat reduction of Sulfide or Carbonate	$CH_2 = CH - CH_3$ $CH_2 = CH - Cl$ $CF_2 = CF_2$
ores?	A B C
(a) Cu (b) Fe	
© Al @ Ca	Answer the question 14 & 15 according to
0.53	stem
- X	14. In stem—
	i. Compound A formed Not to cu
NH,CI	easily polymer
and	ii. Compound B formed thermoplastic
CaO	polymer
	iii. Compounds C change colour o Bromine solution
	Which one is correct?
	(a) i (b) i & ii
	© ii & iii
Answer the question 7 & 8 according to	15. In stem compound formed polymer—
stem	i. PTFE
What coloure of precipitate found if	ii. PVC
"X" gas is passed through the aqueous	iii. melamine
solution of iron salt?	Which one is correct?

White ii. Green iii. Reddish Brown Which one is correct? (a) i ⓑ i & ii © ii & iii (d) i, ii & iii

(b) i & ii a i d i, ii & iii carbon-di oxide? @ 3:8 8:3 © 1:9 @ 1:2

	Which group of ions contains only ions you would predict as "Stable"? a Li ²⁺ , Fe ²⁺ , Ca ²⁺ b Ca ²⁺ , Fe ³⁺ , Al ³⁺ b Mg ³⁺ , Cr ³⁺ , O ²⁻ d F ²⁻ , Al ⁴⁺ , Na ⁺		
18.	An organic acid, Which has the formula $C_6H_{12}O_2$. What,s its empirical formula? (a) $C_6H_{12}O_2$ (b) $C_2H_{12}O$ (c) C_3H_6O (d) $C_{10}H_{20}$	26.	This sign used for what type substance? (a) Highly poisonous (b) Explosive (c) Oxidizing
19.	Water molecules associated with magnesium sulfate. Its formula is MgSO ₄ .x H ₂ O. Using the experimental data below, decide on the value of x.	27.	Sensitive to respiratory system What will happen to the particles, When water vapour is condensed? size will reduce
	Mass of MgSO ₄ .xH ₂ O used - 1.687g Mass of MgSO ₄ after heating to drive off the water = 0.824 g, Molar mass of MgSO ₄ = 120.4 g/mol.	28.	 will remain in movement will vibrate at the same position energy will evolve to surroundings What type of reaction does occur when
20.	 a x = 7 b x = 2 x = 4 x = 6 a x = 6 b x = 2 x = 6 x = 6		taking medicines like antacid? (a) Neutralisation (b) Combustion (c) Addition (d) Replacement Which one will reduced first?
.,	(a) 1/1840 (b) 1/1871 (c) 1/1850 (d) 1/2050	29.	(a) Pb ²⁺ (b) Ca ²⁺ (c) Na ⁺ (d) Zn ²⁺
21.	How many electron do calcium and Oxygen gain or lose during the formation of Calcium Oxide? (a) 4 (b) 2 (c) 3 (d) 1		Which of the following factor doesn't control the equilibrium? (a) Pressure (b) temp (c) Concentration (d) catalyst
22.	$CO_{2(g)} + 2NH_{3(g)} \rightarrow CO(NH_2)_{2(s)} + H_2O_{(1)}$ What quantity of urea can be obtained from 679g of CO_2 ?	Li	Be B C N O F
	 (a) 2.00 × 10³ g urea (b) 1.85 × 10³ g urea (c) 1.00 × 10³ g urea (d) 9.25 × 10² g urea 	2, 1 31.	
follo Carb prec	wer question 23 & 24 according to wing stem on has three isotopes and in respect of ent abundness the amount of ¹³ C, ⁷⁴ C and s 20%, 10% and 70% respectly.	32.	If we go from left to right in the mentioned period then— i. electron number increases ii. size of atom decreases
23.	What is the relative atomic mass of carbon?		iii. atomic radius increases Which one is correct? (a) i & ii (b) ii & iii
	(a) 12.4 (b) 12.5 (c) 12.3 (d) 12.6 (d) 12.6 (e) 14°C isotope use —	33.	© i & iii
	Calculted the age of universe To determine the presence of tumor and its position	34	(a) CaO (b) CaCO ₃ (c) Na ₂ CO ₃ (d) NaHCO ₃ Which is applicable in the production
	Which one is correct? (a) i & ii (b) i	54.	of NaOH by electrolysis? a diluted solution of NaCl Melted NaCl
	© ii & iii	35.	© Plantinum electrode ① mercury electrode What is the ratio of hydrogen and nitrogen in ammonia gas production?
	© 18 @ 11		(a) 1:2 (b) 1:3 (c) 2:1 (d) 3:1
1 (21 ((a) 2 (d) 3 (b) 4 (c) 5 (b) 6 (a) 7 (c) 8 (c) 9 (d) 10 (b) (a) 22 (d) 23 (a) 24 (b) 25 (d) 26 (a) 27 (d) 28 (a) 29 (a) 30 (d)	-	