کامیابی کاندند

CHEMISTRY

* * * * * FOR CLASS F.SC PART -I * * * * *

كموقتمين بعترين تيارى

New Conceptual & ANNUAL Analytical Based 2024

بیپر سیٹر کے ذہن کومد نظرر کھ کر تیار کیے گئے سوالات

معروضي سوالات حل شده- مخضر وانشائيه سوالات غير حل شده

الثاوشائسالهما

صرف 30دن تیاری کرکے پڑھائی میں کمزور طلبہ وطالبات بھی ۴ گریڈ میں کامیابی عاصل کرسکتے ہیں 🖈 یادر کھیں اب وقت انتہائی کم رہ گیا ہے 🏗 پیپر سیٹر کے ذہن کومد نظر رکھ کر تیار کئے گئے سوالات



القدير جنال ساكتش اكبيرى 247411124

(OBJECTIVE PART)

1.		er of atoms pr		2 <u> </u>					
	(a) 6.02×10^{22}	(b) 3.1	101×10^{23}	(c) 2×	6.02×10^{22}	(d) 9.03×10^{22}			
2.	The numb	er of Isotopes	of cadmiu	m is:		(* <u>*******</u>			
	(a) 3	(b) 4		(c) 5		(d) 9			
3.	Nickel has is	otopes:							
(a) 3	(b) 5	ner roeme re	(c) 7	Constitution and	(d) 2				
4.		nber of fundar	\$ 57 5	rticles in an		oon - 14 is:	0		
(a) 6	(b) 8		(c) 14		(d) 20				
5.		is a Macro Mo					1		
(a) 5,0		(b) 10,000	,) 68,000	(d) 15				
0.		of atoms in 1.7				m are equal:	1:1		
(a) 0.1		(b) 23) 230	(d) 2300				
(a) 3	6 g of H ₂ O	umber of mole		•	H-OH				
S-1	8 g of CO		7.00) 4.8 g of C) 5.4 g of N		7 67			
8.		e ratio betweer	7.000 CO CO		203				
(a) 1:	5	(b) 2:1	(c) 2:3	(d) 3:2	10.0				
9.		a molecular Io		(4) 5.2	A. V				
(a) He		(b) CH ⁺) NH ⁺	(d) C	O+			
		4	(0	4	(u) . c .				
10.	Tin has isoto		(a) 11		(4) 12				
(a) 9	(b) 10	(b) Eleven	(c) 11) Fifteen	(d) 12	ahtaan			
(a) O		ments having s	,		(d) Ei	ghteen			
(a) _o E	19, 79Au ¹⁹⁷	nents having s	ingie isoto (b) 521 ¹²⁷ 25Br	.81				
$(c) \circ 0$	0^{16} , $7N^{14}$		(d) $^{22}As^{75}$	5) 53I ¹²⁷ , 35B1 5, 7N ¹⁴					
		mic Mass of No	eon is:						
(a) 20	-	(b) 20.18) 20.20	(d) 20	0.0			
13.		otopes of oxyg		, 20.20	(0) 20				
(a) Ty		(b) Three	* * * *) Four	(d) Fi	ve			
14.	Isotopes diffe			,					
(a) Pr	operties which	depend upon n	nass						
(b) Arrangement of electrons in orbitals									
(c) Chemical properties									
(d) The extent to which they may be affected in electromagnetic field									
15. One mole of SO ₂ contains:									
1	$02 \times 10^{23} \text{ atom}$				23 molecules of	f SO ₂			
(c) 6.02×10^{23} atoms of sulphur (d) 4g of atoms of SO ₂									
16. During combustion analysis, CO ₂ Produced is absorbed in: (a) Mg(CIO ₄) ₂ (b) 50% KOH (c) CaCl ₂ (d) P ₂ O ₅									
	g(CIO ₄) ₂		(c) CaCl ₂		(d) P_2O_5				
	Ascorbic acid	ı is vitamin:	(a) C		(4) D				
(a) A	, ,	H ₃ OH and C ₂ I	(C) C	0.	(d) D				
	ual number of		15O11 llav	с.					
	qual number of								
S. S.	qual number of								
(d) Equal number of protons									
19. I gram formula of NaCl is equal to:									
(a) 58	_	(b) 23.5	-) 35.5 g	(d) 12	2 g			
		04070 045	TOUE (=:						

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ANNUAL EXAM 2	024 CHEMISTRY	11	BY: MUHAMMAD QADIR RAFIQUE						
152. If a strip of Cu metal is placed in a solution of FeSO4:									
(a) Cu will be precipitated down (b) Fe is precipitated out									
(c) Cu and Fe both dissolve (d) No reaction takes place.									
153. The unit of rate constant is the same as that of the rate of reaction is:									
(a) First order reaction	(b) Sec	ond order reac	ction						
(c) Zero-order reaction	(d) Thi	rd order reacti	on						
154. The unit of rate constant is the same as that of the rate of reaction in:									
(a) First order reaction (b) Second order reaction									
(c) Zero-order reaction	(d) Third order	r reaction							
155. In zero order reaction, the rate is independent of:									
(a)Temperature of reaction (b) Concentration of reactants									
	oducts (d) None of the								
156. If the rate equation of a reaction $2A+B\rightarrow$ products is, rate = K[A]2 [B], and A is present in large									
excess, then orde									
(a) 1 (b) 2	(c) 3	(d) none of th	ese						
	157. The rate of reactionas the reaction proceeds.								
(a) Increases	(b) Decreases								
(c) Remains the same	(d) May decrea								
158. With increase in 10°C temperature, the rate of reaction doubles. This increase in rate of reaction									
due to:									
(a) Decrease in activation energy of reaction(b) Decrease in the number of collisions between reactant molecules.									
(c) Increase in activation energy of reactants (d) increase in number of effective collisions.									
159. Unit of rate constant is the same as that of the rate of reaction in:									
(a) Zero order reaction (b) 1st order Reaction									
(c) 2 nd order Reaction		order reaction.							
160. Glucose can be converted into ethanol by an enzyme:									
	Zymase (c) Suc		(d) Urease						
()									

(SUBJECTIVE PART)

68/68 Marks Challenge

SECTION-I

SHORT QUESTIONS (SQs)

- Define molecular ion, write its uses.
- 2. Why we use the term relative atomic mass?
- Calculate the percentage of Nitrogen in urea.
- 4. What are isotopes? Why they have same chemical but different physical properties?
- 5. Define isotopes why they have same chemical properties?
- 6. Explain mathematical relationship of m/e of an ion in mass spectrometry.
- 7. How does no individual neon atom in the sample of the element has mass 20.18 amu?
- 8. Write functions of Mg $(ClO_4)_2$ and KOH in combustion analysis.

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ANNUAL EXAM 2024

CHEMISTRY 11

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- ✓ Define dipole moment. Give its units. How is it used to determine the geometry of molecule? Give an example.
- Define ionization energy. Write factors affecting. Define factors affecting it and trends in the periodic table.
- ✓ What is standard hydrogen electrode (SHE)?

 How it is used to measure the electrode potential of Zinc.
- Describe the electrolysis of molten sodium chloride and a concentrated aqueous solution of sodium chloride.

LONG QUESTION NO. 9

- ✓ Define Solubility curves. Explain continuous and discontinuous solubility curves. 2021,2022
- ✓ Give graphical explanation of boiling point elevation of solution.
- ✓ What are Colligative properties of solutions?

 Explain elevation of boiling point.
- ✓ State and explain Raoult's law in three forms.
- ✓ State different forms of Raoult's law. How can this law help us to understand the ideality of a solution?
- ✓ What are ideal solutions? Explain the fractional distillation of ideal mixture of two liquids.
- ✓ Differentiate between ideal and non-ideal solutions.

- ✓ Explain the energy of activation.
- ✓ How does Arrhenius equation help us to calculate the energy of activation of a reaction?
- ✓ Define half life period. Describe half life method for the determination of order of reaction.
- ✓ Define order of reaction and explain 2nd order and zero order reactions.
- ✓ Define Order of reaction. Describe it with three examples.
- ✓ Write a brief note on the following:
- ✓ Homogeneous catalysis
- ✓ Heterogeneous catalysis
- ✓ What are enzymes? Write any four characteristics of enzyme catalysis.

