Sahaj Adhyayan (सहज अध्ययन)

जर हे Practice Question Papers तुम्हाला खरंच फायदेशीर वाटत असतील तर तुमच्या सर्व मित्र मैत्रिणींना पाठवा.

त्यांना देखील ह्या सर्वांचा अभ्यासासाठी फायदा होऊ द्या.

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जर तुमच्या जवळ कोणत्याही इयत्तेच्या, कोणत्याही परीक्षेच्या, कोणत्याही विषयाचे, Question Papers असतील

तर ते आम्हाला WhatsApp वर पाठवा,

इतर विद्यार्थी मित्रांना त्या सर्वांचा उपयोग होईल.

	I Science et: Chemistry	irst Term Exam 20)21-2022	Marks: 50 Time: 2: 00 H	rs.
. 1	Section A Select and write correct answers of the following			(7 M)	
	Avogadro's Number is the number of particles present in				
	a) 1 molecule	b) I atom	c) 1 kg	d) i mole	
	2) SI Unit of mass is				
	a).kg	b) mol	c) pound	d) m ³	
	3) Which of the following spe	O O II b) H-C-OH	ogen bond with water c) Na ⁺	d) C ₆ H ₆	
	a) CH ₄ 4) Which of the following con	***	16	Control Contro	
	a) Methane	b) cyclopropane	22	ne d)cyclohexane	
	5) The IUPAC name of follow	-50-50-03-10	10.2		
	3) The for the mane or tone.	ang comp	CH ₃		
	a) 2-methylpropane	b) propane	c) 2-methylbutane	d) butane	
	6) The functional group of aldehyde is				
	0	0	0		
	a) R-C-H	b) R-C-OH	c) R-C-R	d) R-OH	
	7) The unit of viscosity is				
	a) dynes	b) Newton	c) gram	d) poise	
2 4	nswer the following question	s			(7 M)
2 A			CO ₂)		
	i. Find the molecular mass of carbon dioxide (CO ₂) ii. How many particles are present in 1 mole of a substance?				
	iii. Define limiting reagent.				
	iv. Convert the following temperature from degree celcius to Kelvin 273°C				
	v. Write the structure of 2-methyl butane				
	vi. Write the bond line form		1		
	vii. Complete the following	reaction			

This Question paper shared by Karina from Ahmednagar, Thanks Karina.

Section B (16.M) Attempt any eight Q.3 Write note on homologous series. Q.4 What is the functional group of alcohol and phenol? Q.5 State and explain law of conservation of mass. Q.6 Find the formula mass of i) CH₄ ii) H₂O -> \ A solution is prepared by adding 2g of a substance A to 18g of water. Calculate the mass Q.7 percent of the solute. Q.8 Define i) Molality ii) Molarity 0.9 What is hydrogen bonding? Explain with suitable example. The volume occupied by a given mass of gas at 298K is 25ml at 1 atm pressure. Calculate the Q.10 volume of the gas if pressure is increased to 125 atmospheres at const. temperature. Q.11 Derive ideal gas equation. Define Q.12 i) Electrophile ii) Nucleophile Q.13 Identify primary, secondary, tertiary and quaternary carbon in the following compounds. CH₃ СН, — С — СН-СН2-СН2-СН3 CH₃ CH₃ Section C (12)Attempt any four ii)functional group isomerism Q.14 Define isomerism and explain i) chain isomerism Q.15 Write the structure of following compound iii) P-Dichlorobenzene ii) m-dibromobenzene i) O-Dichlorobenzene 0 Q.16 Calculate the number of moles & molecules of urea present in 5.6g of urea (NH2-C-NH2) Q.17 Perform the following operations $3.5 \times 10^{-2} - 5.8 \times 10^{-3}$ Q.18 Derive Boyles law in terms of density in term of gas. Q.19 How many significant figures are present in the following measurement ii) 0.32 iii) 57.98 i) 4.065

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