	mass of 70% H ₂ SO ₄ required is:			The highest dipole moment is of:			
	(a) 48 g (c) 49 g	(b) 70 g (d) 35 g		(a) CF ₄ (c) CO ₂	(b) CH ₃ OH (d) CH ₃ F		
52.	Philosopher's wool nitrate produce: (a) CoBaO (c) CoSrO The most stable car	on treatment with cobalt (b) CoZnO (d) CoMgO	55.		mixture obtained by n H_2SO_4 and 200 mL of (b) 0.2670 (d) 1.1670		
55.	(a) CH ₃ CH ₂ (c) C ₆ H ₅ CHC ₆ H ₅	(b) C ₆ H ₅ ČH ₂ (d) C ₆ H ₅ CH ₂ ČH ₂	56.		effect is caused by : (b) NO ₂ (d) CO ₂		

51. For neutralisation of one mol of NaOH the

	density of air is 0.001293 g/cc. Its vapour density is: (a) 0.001293 (b) 8.2786 (c) 14.48 (d) 6.2706 The process of heating and suddenly cooling of	67.	excess of ethanol and conc. H ₂ SO ₄ on hearing up to 140°C. To produce: (a) diethyl either (b) diethyl sulphate (c) ethyl hydrogen sulphate (d) ethylene				
50	steel is known as : (a) tempering (b) annealing (c) hardening (d) nitriding	68.	The shape of IF ₇ molecule is: (a) pentagonal bipyramidal (b) trigonal pyramidal				
59.	The bonding present between the carbon atoms of graphite: (a) metallic		(c) tetrahedral (d) square planar				
***	(b) ionic (c) covalent (d) van der Waals' forces	69.	The kinetic energy of 14 g of nitrogen gas at 127°C is [gas constant = 8.31 J/K/mol] (a) 4.4673 kJ (b) 3.857 kJ (c) 2.493 kJ (d) 1.857 kJ				
60.	Compressibility factor for 1 mole of a van der Waals' gas at 0°C and 100 atmospheric pressure is found to be 0.5 the volume of gas molecules is:		Born-Haber cycle is used to determine: (a) electron affinity (b) lattice energy (c) crystal energy (d) all of these				
61.	(a) 2.0224 (b) 1.4666 (c) 0.8542 (d) 0.1119 An ideal gas is allowed to expand under	71.	The oxidation number of phosphorus in $Ba(H_2PO_2)_2$ is: (a) +1 (b) -1				
	adiabatic conditions. The zero value is of : (a) $\Delta T = 0$ (b) $\Delta S = 0$ (c) $\Delta G = 0$ (d) none of these	72.	(c) + 2 (d) + 3 A gas diffuses four times as quickly as oxygen. The molecular weight of gas is:				
62.	The maximum valency of an element having atomic number seven is :		(a) 2 (b) 4 (c) 8 (d) 16				
60	(a) 1 (b) 3 (c) 5 (d) 7	73.	Vitamin B ₁₂ contains the metal is : (a) cobalt (b) manganese (c) magnesium (d) iron				
03.	NH ₄ Cl solution is : (a) neutral (b) acidic (c) basic (d) amphoteric	74.	(c) magnesium (d) iron The compound responds to Tollen's reagent is: (a) CH ₃ COCH ₃ (b) CH ₃ CHO				
64.	For first order reaction, the unit of rate constant is: (a) L mol ⁻¹ time ⁻¹ (b) mol L ⁻¹ time (c) time ⁻¹ (d) none of the above	75.	(c) CH ₃ CONH ₂ (d) CH ₃ COOH When chloroform is exposed to air and sunlight the compound obtained is: (a) chloral (b) acetyl chloride (c) phosgene (d) methyl chloride				
65.	Aniline chloroform and alcoholic KOH reacts to produce a bad smelling substance which is: (a) phenyl isocyanide	76.	The laughing gas is: (a) nitrous oxide (b) dinitrogen trioxide (c) nitric oxide (d) nitrogen peroxide				
	(b) phenyl cyanide (c) chloro benzene (d) benzyl alcohol	77.	Alkyl halide on heating with dry Ag_2O produce : (a) ether (b) ester				
66.	In the titration of iodine against hypo the indicator used is: (a) starch	78.	(c) ketone (d) hydrocarbon Borazine is represented by the molecular formula:				
	(b) potassium ferricyanide (c) methyl orange (d) methyl red		(a) B_6H_6 (b) B_5NH_6 (c) $B_4N_2H_6$ (d) $B_3N_3H_6$				

79.	The product is obtained by the reaction of an		(c) antiseptic (d) antibiotic		
	aldehyde and hydroxylamine is : (a) hydrazone (b) aldoxime	90.	Which of the following compound can be easily sulphonated?		
80.	(c) primary amine (d) alcohol Which one of the following is not a		(a) Chlorobenzene (b) Nitrobenzene (c) Toluene (d) Benzene		
	chromophore ? (a) $-NO$ (b) $-N=N-$ (c) $-NO_2$ (d) $-NH_2$	91.	l=3 then the values of magnetic quantum numbers are : (a) \pm 1, \pm 2, \pm 3 (b) 0, \pm 1, \pm 2, \pm 3		
81.	The isomer of ethyl alcohol is: (a) diethyl ether (b) dimethyl ether (c) acetaldehyde (d) acetone	92.	(c) -1, -2, -3 (d) 0, +1, +2, +3 The electrical conduction is shown by: (a) potassium (b) sodium		
82.	Buffer solutions can be obtained by mixing aqueous solution of: (a) NaOH and HCl (b) CH ₃ COOH and NaOH (c) CH ₃ COONa and CH ₃ COOH		(c) graphite (d) diamond Carborundum is: (a) CaC ₂ O ₄ (b) Al ₂ (CO ₃) ₃ (c) CaH ₂ (d) SiC		
83.	(d) CH ₃ COONa and HCl An element having atomic number 56 belongs	94.	The base not present in DNA is: (a) uracil (b) guanine (c) adenine (d) cytosine		
	to: (a) lanthanides (b) actinides (c) alkaline earth metals (d) none of the above	95.	The monomers of terylene are: (a) phenol and formaldehyde (b) ethylene glycol and phthalic acid (c) adipic acid and hexamethylene diamine (d) ethylene glycol and terephthalic acid		
84.	Dry ice is: (a) dry CO ₂ gas (b) solid SO ₂ (c) solid NH ₃ (d) solid CO ₂	96.	The most polar bond is: (a) C—F (b) C—O		
85.	The alicyclic compound is: (a) cyclohexane (b) cyclohexane (c) pyrrole (d) hexane	97.	Brownian movement is found in : (a) unsaturated solution		
86.	Adsorbed hydrogen by palladium is known as: (a) nascent (b) atomic		(b) saturated solution (c) colloidal solution (d) suspension solution		
87.	(c) heavy (d) occluded In benzylic acid rearrangement: (a) benzoin is converted into benzylic acid (b) benzaldehyde is converted into benzoin (c) benzyl is converted into benzylic acid (d) benzylic acid is converted into benzyl	98.	The rate of a chemical reaction depends on: (a) pressure (b) time (c) concentration (d) all of these		
		99.	The positive charge of an atom is: (a) distributed around the nucleus (b) concentrated at the nucleus		
88.	On heating O ₃ , its volume : (a) remains unchanged (b) becomes doubled		(c) spread all over the atom (d) none of the above		
	(c) becomes half (d) becomes $\frac{3}{2}$ times	100.	The increasing order of acidity of H_2O_2 , H_2O and CO_2 is : (a) $H_2O_2 > H_2O > CO_2$		
89.	Chloramphenicol is an: (a) analgesic (b) antipyretic		(b) H ₂ O ₂ > CO ₂ > H ₂ O (c) H ₂ O > H ₂ O ₂ > CO ₂ (d) H ₂ O < H ₂ O ₂ < CO ₂		
			a Jea(Ipid) www mort bsolnwo		

Answer Key

51. b	52. b	53. c	54. d	55. b	56. d	57. c	58. c	59. c	60. d
61. b	62. c	63. b	64. c	65. a	66. a	67. a	68. a	69. c	70. d
71. a	72. a	73. a	74. b	75. c	76. a	77. a	78. d	79. b	80. d
81. b	82. c	83. c	84. d	85. a,b	86. d	87. c	88. d	89. d	90. c
91. b	92. c	93. d	94. a	95. d	96. a	97. c	98. d	99. b	100. d