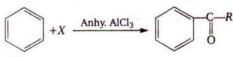


68.	Ascorbic acid is the chemical name of (a) vitamin B ₆ (b) vitamin A (c) vitamin C (d) vitamin D	80. Among the following, the correct statement is (a) aniline is a weaker base than ammonia (b) in a water base than ammonia
69.	Which amine of the following will not answer carbylamine reaction? (a) Ethyl amine (b) Methyl amine (c) Dimethyl amine (d) Phenyl amine	 (b) in water, solubility of CH₃OH > C₂H₅OH > C₆H₅OH (c) b.p. of alkylhalide is greater than is corresponding alkane (d) All of the given statements are correct
70.	For a reaction, the dimensions of rate constant are same as that of rate, hence order of reaction is (a) 0 (b) 1 (c) 2 (d) 3	81. Three products are obtained by the ozonolysis of penta-1, 3-diene. Out of these if two products are formaldehyde and acetaldehyde the name of the third one is (a) formaldehyde (b) ethanal
71.	The concentration (in mol/L) of the solution having osmotic pressure 0.0821 atm at 300 K will be	(c) glyoxal (d) propanaldehyde 82. $CH_2 = CH - CH_2 - CH = CH_2$ represents a/an
72.	(a) 0.33 (b) 0.066 (c) 0.3×10^{-2} (d) 3 Given, $Pb^{2+} / Pb = -0.126$ V;	(a) conjugated system (b) cumulative system (c) isolated system
	$Zn^{2+}/Zn = -0.763$ V Find the emf of the following cell $Zn Zn^{2+}$ (0.1 M) Pb^{2+} (1M) Pb. (a) -0.637 (b) $+0.637$ (c) >0.637 (d) $+0.889$	(d) All of the above83. In the presence of a catalyst, activation energy of a reaction is lowered by 2 kcal at 27°C. Hence, rate will be
73.	Which is the most abundant metal in the earth's crust?	(a) 20 times (b) 28 times (c) 14 times (d) remain the same 84. The number of metamers of the compound
74	(a) Fe (b) Al (c) Ca (d) Na A hydrocarbon has carbon and hydrogen. Its	with molecular formula C ₅ H ₁₀ O is (a) 1 (b) 3
74.	molecular weight is 28. Its possible formula would be	(c) 8 (d) 6 85. The compound, with which ethanal does not
	(a) C_3H_6 (b) C_2H_4 (c) CH_4 (d) C_4H_8	react, is (a) HCl (b) Cl ₂ (c) PCl ₅ (d) aq NaHSO ₃
75.	Which is an example of thermosetting polymer? (a) Polythene (b) PVC (c) Neoprene (d) Bakelite	86. The incorrect order with respect to the acidic strength is(a) formic acid > acetic acid > propionic acid
76.	The first Noble Prize in chemistry was given to (a) J.H. van't Hoff (b) Cannizaro (c) Mendeleef (d) Moseley	 (b) cyclohexanol < phenol < benzoic acid (c) benzamide < aniline < cyclohexylamine (d) FCH₂COOH > ClCH₂COOH > BrCH₂COOH
77.	Strongest reducing agent is (a) K (b) Mg (c) Al (d) Ba	87. X Fehling solution Cu ₂ O SOCl ₂ /pyridine RCOCl
78.	The base found only in the nucleotides of RNA, is (a) adenine (b) uracil (c) guanine (d) cytosine	Here, the compound <i>X</i> can be (a) acetic acid (b) formaldehyde (c) formic acid (d) propionic acid
79.	Which of the following compounds does not give a precipitate with excess of NaOH? (a) ZnSO ₄ (b) FeSO ₄ (c) AgNO ₃ (d) HgCl ₂	88. HCl molecule contains (a) ionic bond (b) covalent bond (c) hydrogen bond (d) coordinate bond

- metals show paramagnetic 89. Transition behaviour. This is because of their
 - (a) high lattice energy
 - (b) variable oxidation state (c) characteristic configuration
 - (d) unpaired electrons
- 90. Which reaction is not affected by change in
 - pressure? (a) $H_2 + I_2 \rightleftharpoons 2HI$
 - (b) $2C + O_2 \rightleftharpoons 2CO$
 - (c) $N_2 + 3H_2 \rightleftharpoons 2NH_3$ (d) $PCl_5 \implies PCl_3 + Cl_2$
- 91. If the solubility of calcium fluoride in pure water is x mol/L, its solubility product is (a) $\sqrt{2}x$
 - (c) $4x^3$
- (b) $2x^2$ (d) x^2

- 92. The molarity of a solution containing 5.0 g of NaOH in 250 mL solution is
 - (a) 0.1(c) 1.0
- (b) 0.5 (d) 2.0
- 93. The following reaction is called Friedel-Craft's reaction.



53.

63.

73.

83.

С

С

С

С

b 93.

In this reaction 'X' is

b 52.

b 62.

C

72.

82.

c 92.

51.

61.

71.

81.

91.

d

C

b

b

a

54.

64.

74.

84.

94.

b

b

b

b 85.

C

55.

65.

75.

95.

Answer Key

b

С

d

a

b 96.

56.

66.

76.

86.

- - 94. Picric acid is

(b) 2, 4, 6-trinitrotoluene

(c) 2, 4, 6-trinitrophenol

95. Gravity separation process is used for the

97. The equivalent weight of MnSO₄ is half of its

molecular weight when it is converted to

98. The reaction by which benzaldehyde is

99. By the ideal gas law, the pressure of 0.60 mole NH₃ gas in a 3.00 L vessel at 25° C is

100. Brown ring in the test of nitrate ion is obtained

(c) Wurtz reaction (d) aldol condensation

(b) haematite

(d) bauxite

(b) MnO₂

(d) MnO_4^{2-}

(b) 4.89 atm

(d) 489 atm

(b) Cannizaro reaction

(d) None of the above

concentration of

(c) chalcopyrite

(a) a conjugate acid

(b) a conjugate base

(c) neither an acid nor a base

converted in benzyl alcohol, is

(d) both an acid and a base

(a) calamine

96. Ammonium ion is

(a) Mn_2O_3

(c) MnO₄

(a) 48.9 atm (c) 0.489 atm

57.

67.

77.

87.

97.

a

a

C

a

(a) Fittig reaction

due to the formation of (a) [Fe(H₂O)₅NO]SO₄ (b) [Fe(SO₄), NO]H₂O (c) $Fe_2(SO_4)_3 \cdot NO$ (d) None of the above

- 98.
- 78. 88.

58.

68.

b

C

a

C

b

b b

> b 99.

C

C

- 79.
- 89.

59.

69.

d

b 60.

С

80. 90.

70.

a

a

d

a b **100.** a

- (a) 2, 4, 6-tribromophenol

- www moli