JEXPO 2013 Solved paper Chemistry With Answers

51.CuSO45H2O---T1----CuSO4,H2----T2---CuSO4 In this process T1 ad T2 are respectively as
Ans.: (C) 125°C and 200°C
52. Excess ammonia on reaction with Cl2 gas forms
Ans.: (C) NCl3
53. Nitrolim is a mixture of
Ans.: (B) CaCN2 and C
54. For HNO3 identification, we run 'ring test', the composition of which is
Ans.: (C) Fe(NO)(H2O)5SO4
55. Identification of original diamond is done by
Ans.: (B) x-ray
56. Components of producer gas are
Ans.: (C) CO+H2
57. Baking powder is a mixture of
Ans.: (C) Sodium bicarbonate and potasium hydrogen tartarate
58. Main components of german silver are
Ans.: (D) Cu-Zn-Ni
59. The formula of Nesslar's regent is
Ans.: (C) K2HgI4
60. A small amount of powder is added into dil,. H2SO4 acid solution and the evolved gas turbids lime water. Powder and gas are
Ans.: (D) ferrous sulphide and hydrogen sulphide
61. When an aqueous solution of Ba(NO3)2 is added to a dilute solution of an acid a white precipitate is formed. The precipitate is insoluble in hydrochloric acid. What is the acid
Ans.: (B) HCl
62. Which of the following metals is present in all the three alloys-brass, bronze and duralumin?
Ans.: (B) Cu
63. Lightest metal is
Ans.:(C) Lithium
64. On contact of two gases a solid is formed. Two gases are
Ans.: (A) H2S and NH3
65. Washing liquid for photographic plate is
Ans.: (C) sodium thio-sulphate solution
66. In which of the following reactions a black precipitate is not formed?
Ans.: (C) CuSO4 + H2S--->
67. For plastering of broken hands and legs the following sulphate compound is used
Ans.: (B) CuSO4
68. Conc. H2SO4 has no action on which class of compounds?
Ans.:(A) Metal Sulphides****
69. The formula of brown ring , formed in the ring test of nitrate radical is
Ans.: (A) [Fe(H2O)5(NO)2]SO4
70. Which of the following can not decolourise bromine?

Ans.:(A) ethylene
71. How many covalent bonds are present in the molecule C3H8?
Ans.: (C) 10
72. C4H6-- this hydrocarbon can not contain
Ans.: (B) One triple bond in the molecule
73. The components of a mixture of diethyl ether and acetone may be separated through?
Ans.: (A) Sublimation****
74. The pungent smell of the gas coming out from leakage of LPG cylinder is due to
Ans.: (D) mercaptane
75. 2.5 mole of anhydrous copper (II) sulphate is converted completely to blue vitriol. How many moles of water has been added to it
Ans.: (C) 12.5 Mole
76. Which of the following when dissolved in water produce neutral aqueous solution
Ans.: (B) Common salt
77. Which of the following salts makes aqueous solution as acidic
Ans.: (B) NH4HSO4
78. A compounded, where electrovalent, covalent and coordinate, all three types of body exist is
Ans.: (B) Ca(OCL)CL
79. How much amount of CO2 may be obtained from 10kg of lime stone?
Ans.: (B) 4.4 kg
80. According to pentration power which one of the following is correct?
Ans.: (C) x-ray > γ-ray > α-ray > β-ray
81. Find the total charges present in 0.2 mole of phosphate (PO43-) ion.
Ans.: (unknown to me)
82. Litmus test of aqueous suspension of soap shows
Ans.: (B) red litmus turns to blue
83. Both the ions of which of the following pairs have 8 electrons in the L-shell?
Ans.: (B) S2- and Cl-
84. A gas at 1atm. pressure of volume 100 liter is heated from 100°C to 200°C. If volume remains constant then find out its pressure?
Ans.: (B) 1.268 atm.
85. Which of the following is most metallic in nature?
Ans.: (A) Mn
86. How does the nature of oxides of ther elements changes across a period (i.e. from left to right) in the periodic table?
Ans.: (B) basic-->acidic-->neutral
87. How many iones are produceed in the aqueous solution s by their dissociation when 1 mole of ferrous sulphate and 1 mole of feric sulphate are dissolved in excess of water
Ans.: (A) 3N
88. Flourine (F), Chlorine(Cl), Bromine(Br) and Iodine(I) follow electronegativity order:
Ans.:(B) I<Br<Cl<F
89. Which of the following is amphoteric oxide?
Ans.: (C) Al2O3

90. How many hydrogen atom are present in 2g of methane?
Ans.: (A) 3.011 x 1023
91. 19K39 and 20Ca40 are converted to mono-positive and Di-positive ions respectively. The number of which particle / particles is/are the same in both the ions
Ans.: (B) electrons and neutrons
92. Which of the following is the electronic arrangement of CA atom?
Ans.: (C) K(2)L(8)M(8)N(2)
93. Hydrogen of acetylene is more acidic than hydrogen of ethylene, because hydrogen of acetylene attached to
(B) SP2 carbon
94. On heating ammonium cyanate produces
Ans.: (A) Urea
95. Ethanol and dimethyl ether,the two different compounds are having the same formula, this property is known as
Ans.: (D) Isomerism
96. What are the functional groups present in the two isomeric compounds having the same molecular formula C3H6O
Ans.: (B) One isomer contains >C=O group and the other -OH group
97. The catalyst which is used for converting acetylene to ethylene is known as ?
Ans.: (A) Lindlar catalyst
98. Eco-friendly polymer is
Ans.: (B) Polyvinyl Chloride
99. An organic compound which contains both the amine and carboxylic acid group is
Ans.: (D) vinegar
100. The monomer of teflon polymer is
Ans.:(C) tetrafluoro ethylene