CLASS 10TH (CHEMISTRY) FULL BOOK MCQS

Encircle the correct option.						
1.About 99% atmosphere mass lies within.						
✓a)30 km b)35 km c)15km d)11km						
2. One of the following organic compound is found in gasoline:						
a)C2H4 b)C3H8 ✓ c)C8H18 d)C12H26						
3. Main component of natural gas is:						
✓a)methane b)propane c)butane d)propyne						
4. Specific heat capacity of water is:						
a)4.2KJg-1K-1 √ b)4.2Jg-1K-1 c)2.4Jg-1K-1 d)2.4KJg-1K-1						
5. Matte is a mixture of:						
a)FeS and CuS b)Cu2O and FeO						
✓c)Cu2S and FeS d)Cus and FeO						
6.Colour of iodine:						
a)white b)blue c)red ✓d)purple						
7. The organic compounds used as drugs to control bleeding are:						
a)vitamins ✓b)proteins c)lipids d)Glycerides						
8. One of these pollutants in found in car exhaust fumes:						
✓a)CO2 b)O3 c)N2 d)H2						
9. Oxidation of alkenes produce:						
a)Glyoxal ✓b)glycol c)oxalic acid d)formic acid						
10. A disesase that causes bone and tooth damage is:						
✓a)Fluorosis b)Hepatitas c)cholera d)jaundice						
11. Gas used for cleaning swimming pool:						
a)iodine ✓b)chlorine c)fluorine d)bromine						
12. One of following is a reducing sugar:						
✓a)Glucose b)maltose c)Sucrose d) starch						
13. Identify that which product is used as jet fuel:						
✓a)kerosene oil b)lubricating oil c)diesel oil d)fuel oil						
14. At dynamic equilibrium:						
a)reaction stops to proceed						
b)the amount ofvreactants and products are equal						
✓c) the speed of forward and reverse reaction are equal						
d)thecreaction can no longer be reversed						
15. In solvays process slaked lime is used to:						
a)Prepare CO2 b)prepare quick lime						
✓c)recover ammonia d)from Na2CO3						
16. One is a lewis base:						
✓a)NH3 b)BF3 c)H+ d)AlCl3						
17. Vigorous reaction of water with shatter (glass wear)into small pieces						
a)sodium ✓b)caesium c)strontium d)silicon						
18. Coal having 90% carbon contents is called:						
a)peat b) lignite c)anthracite d)bituminous						
19. Acid rain effect the aquatic life by clogging fish gills because of:						
a)lead metal b)chromium metal c)mercury metal ✔d)Aluminium metal						
20. The order of reactivity of hydrogen halides with alkenes is:						
✓a)HI>HBr b)HBr>HI c)HCI>HBr d)HBr <hci< td=""></hci<>						

21. Carbon monoxide is harmful to us because:						
a)it paralyses the lungs c)it makes the blood coagulate						
b)it damages lungs tissues ✓d)it reduces oxygen carrying ability of haemoglobin						
22. In laboratory urea was prepared by :						
v a)Wholer b)Rutherford c)Berzellius d)Dalton						
23. The structure of iron and steel is damaged by :						
a)CO						
24. Just above the Earth's surface is:						
a)mesosphere b)stratosphere c)thermosphere ✓d)troposphere						
25. Temporary hardness ofcwater is because of						
v a)Ca(HCO3)2 b)CaCO3 c)MgCO3 d)MgSO4						
26. Formula of urea is:						
a)NH2COONH4 b)NH2COONH2 ✔c)NH2CONH2 d)NH2CONH4						
27. A salt is not composed of:						
a)a metallic cation b)non-metallic cation						
✓c)an anion of a base d)an anion of an acid						
28. Halogenation of methanevdose not produce:						
a)carbon tetrachloride b)chloroform						
✓c)carbon black d)chloromethane						
29. Fat soluble vitamin is:						
a)A b)E c)K ✔d)all of these						
30. One of following is not a green house effect:						
a)increasing atmospheric temperature b)increasing sea-level						
c)increasing flood risks ✓d)increasing food chains						
31. One of the following gases is used to destroy harmful bacteria in water:						
a)iodine ✓b)chlorine c)flurine d)bromine						
32. Concentration is a:						
a)mixing technique ✓b)separating technique c)cooling technique d)boiling technique						
33. One is a secondary pollutant:						
a)CH4 b)SO3 c)SO2 √ d)HNO3						
34. Petroleum is refined by:						
a)Destructive distillation b)fractional distillation						
c)Simple distillation d)Dry distillation						
35. Disease caused by protozoa is:						
a)Dysentry ✓b)Cholera c) crytosporidium d)hepatitis						
36.Deficiency of Vitamin E causes:						
a)rickets b)scurvy c)night blindness ✔d)anemia in babies						
a, notice b) boarty b, night billion to a yarronnia in bables						
37. Which one of the following is triglyceride						
a)carbohydrates b)proteins √ c)lipids d') vitamins						
38. The reductionof alkyl halides take place in the presence of:						
✓a)Zn/HCl b)Na/HCl c)Mg/HCl d) Cu/HCl						
39. Pitch is a black residue of						
a)coke ✓b)coal tar c)carbon black d)coal gas						
40. A reaction between an acid and base produces:						
✓a)salt and water b)salt and gas c)salt and acid d)salt and base						
41. Bases have taste:						
✓a)bitter b)sweetish c)sour d)salty						
42. Which base is more corrosive?						

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a)NH4OH
                  ✓b)NaOH
                                     c)Ca(OH)2
                                                     d)AI(OH)3
43. Sum of pOH and pH solution is:
                                                  √d)14
a)18
                 b)7
                                   c)16
44. Benzene is formed by polymerization of
A)methane
                 b)acetylene

√c) ethyne

                                                    d) butene
45. Chemical compounds used in clark method:
✓A)Ca(OH)2
                  b)NaOH
                                   c)HCL
                                                    d)CaO
46. How many % of world water contain ocean
A)67%
                b)77%
                                 c)87%
                                                  √d)97%
47. The density of water at 4°C
a)4gcm-3
               b)3gcm-3

√d)1gcm-3

                                 c)2gcm-3
48.
                is oxidizing agent
A)HCL
               少b)KMnO4
                                   c)NaOH
                                                   d)NaCl
49. Crude oil is heated in the fractionating furnance upto
A)300°C
                                √c)400°C
                                                   d)450°C
               b)350°C
50. The nitrogen present in urea is used by plants to synthesize:

✓ b) proteins

                                  c)fats
                                                   d)DNA
A)sugar
51. Temporary hardness of water can be removed by:
A)CaO
           B) Na<sup>2</sup>CO<sup>3</sup>

✓ C) Ca(OH)<sup>2</sup> D) CaCO<sup>3</sup>

52. Depending upon temperature atmosphere is divided into ____ regions
√A)4
               b)3
                                 c)3
                                                   d)1
53. Photosynthesis produce:
A)sucrose
              b)cellulose

√c)glucose

                                                  d)starch
54. The molecular formula for eight alkane member octane found in petrol
a)C<sup>8</sup> H<sup>8</sup>
                b) C<sup>8</sup> H<sup>16</sup>
                                   √c) C<sup>8</sup> H<sup>18</sup>
                                                        d) C8 H20
55. In solvays process the product NaHCO3 can be obtained by maintaining temperature at:
A)10°C
              少b)15°C
                                 c)20°C
                                                  d)25°C
56. The value of the Kc depends on:
A)initial concentration of reactions
                                         b)initial concentration of products

√C) temperature

                                          d)both A&B
57. Kc =

√a)Kf/kr

                     b)kr/kf
                                   c)kf/kc
                                                 d)kf/kt
58. Example of lewis acid is:
a)NH3
                  少b)BF3
                                   c)H3CNH2
                                                  d)H3COH
59. Anthracite contain the catbon content:
A)60%
                  b)70%
                                 c)80%
                                                √d)90%
60. The formula of chloroform is
A)CH3CI
                 b)CH2Cl2

√c) CHCL3

                                                  d)CCI4
61. The conjugate base of sulphuric acid is;
a)SO3 2-
           b) SO<sup>2</sup>- C) HSO-3

✓d) HSO-4

62. The angle in H2O molecule is:
a)102°
           b) 110°  √c) 104.5°
                                     d) 100°C
63. Carbon tetrachloride is used in:
a)carbon black b) chloroform <a>C</a>) dry cleaning
                                                     d) domestic fuel
64) Which one of the following is not characteristics of monosaccharides?
a) white crystalline solids
                                 c)soluble in water

✓b) Hydrolysable

                                   d) reducing in nature
65) Which one is also called 'Olefins'
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a)alkanes

✓ b) alkenes c) alkynes d) alcohols

66) Catalyst used for hydrogenation of vegetable oil is:
                  C) Co
a)Al
        ✓b) Ni
                             D)Pt
67) Guldburg and Waage put forward Law of mass action in:
a)1859
         √b)1869 c)1879 d)1889
68) The molar concentration is expressed in:
a){} ✓b) []
              c) ( ) d) all
69) Our planet earth has natural systems:
a)2
          b) 3
                    √c) 4
                                 d) 5
70) What is the pOH of 0.02M Ca(OH)2?
A)1.698. ✓b)1.397
                      c)12.31 d)12.6
71) Acetic acid is used for:

✓A) Flavouring food
                       b)making explosives c) etching designs d) cleaning
72) Dehydration means removal of:
✓A)water
                  b)halogen
                                    c) hydrogen
                                                      d) nitrogen
73) Temporary hardness is removed by the method:
a)By freezing b) by filtration ✓c) by boiling d) by aeration
74) The salt used to dry a gas is:
           b) NaCl c) CaO d) NaSiO3
√a)CaCl²
75) A salt always:

✓a)Contains ions b) contains water of crystallization
c) Dissolves in water d) forms crystals which conduct electricity
76) The functional group -COOH is found in:
✓a)Carboxylic acids b) aldehydes c) alcohols d) Esters
77) The end product of oxidation of acetylene is:
a)Oxalic acid
               b) glycol

✓c) glyoxal

                                         d) benzene
78) Glucose and fructose combine to form:
a)Starch
              b) cellulose

✓c) sucrose

                                            d) lipids
80) The disease cause severe diarrhea and can be fatal:
a)Jaundice b) dysentery ✓c) cholera d) typhoid
81) Deficiency of vitamin D cause:

√a)Rickets

               b) scurvy c) anemia in babies d) night blindness
82) Which gas protect the earth surface from ultraviolet radiations:
a)CO2
          b) CO

√d) O³

                    c) N<sup>2</sup>
83) Iron and steel structures are damaged by:
a)Carbon monoxide \(\psi\)b) Sulphur dioxide c) methane d) carbon dioxide
84) A disease that cause bone and tooth damage is:

√a)Fluorosis

                b) hepatitis c) cholera d) jaundice
85) When NaHCO3 is heated it form:

√a)CO² b) Ca(OH)² c) CaCO³ d)CaO

86) The color of hydrogen iodide is:
a)Red b) orange
                      c) blue

√d)colorless

87) Which one of the following is synthetic fiber:
a)Cotton b) wool \(\nsigma_c\) nylon d) silk
88) Dehalogenation of tetrahalides produces acetylene this
reaction take place in the presence of:
a)Sodium metal ✓b) zinc metal c) magnesium metal d) potassium metal
89) The process by which atmospheric nitrogen is turned into nitrates
in the soil is called:
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a)Nitration	✓ b) fixing		c) oxidation		l) reduction		
90)Which one of the following does not contain strach?							
√a)sugar cane	b)ma	ize	c)barl	еу	d) potatoes		
91) Usually meant by active mass is:							
✓a)molar concentration b) reaction Quotient							
c) reaction rate c)Kc expression							
92)Unit of active mass is:							
a)mole dm	b)mole dm	ı-1 (∕ c)mole	e dm-3	d)mole dm-2		
93) Bleaching powder is an example of							
√a)mixed salt	b) acidic	acid	c)doul	ble salt	d)none		
94)Which is Lavoisier acid:							
a)HCL	b)H2SO4	(c)CO2		v d)HNO3		
95)The first acid known to man was							
a) benzoic acid ✓b) acetic acid c) Sulphuric acid d) nitric acid							
96)A neutral salt is not composed of							
a)a metallic cation b)non-metallic cation							
c)an anion of base ✓d)an anion of an acid							
97)In strong acidic solution the color of litmus becomes							
√ a)red	b)blue	c) ye	llow	d) col	orless		
98)Sources of galactose are							
√a) fruits	o)rice	c) Cott	on	d) cellu	ulose		
99)Which of these does not contain protein?							
a)pulses ✔ b)	potatoes	c)bear	ns d	l)eggs			
100)The impurities associated with minerals are known as:							
a) metallurgy	b)ores	√ c)gar	igue	d) comp	oounds		