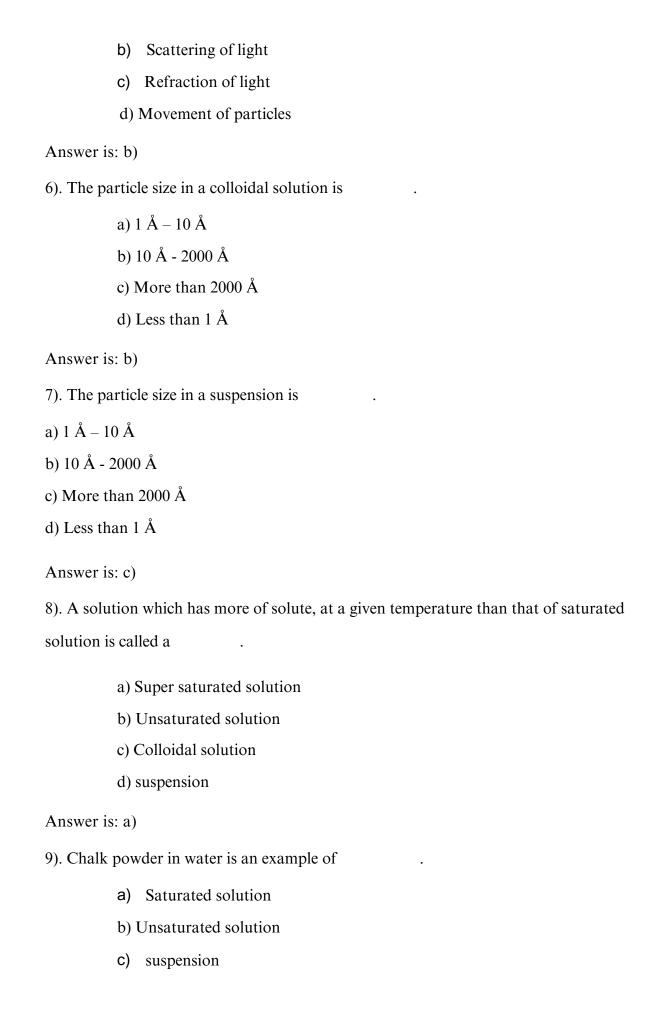
CHEMISTRY

1). Solutions are classified into aqueous and non-aqueous solutions, based on		
a) Nature of solute particles		
b) Nature of solvent		
c) Size of the particles		
d) Thickness of solvent		
Answer is: b) 2). The solvent used to prepare aqueous solutions is		
a) Water		
b) benzene		
c) kerosene		
d) petrol		
Answer is: a)		
3). A true solution does not show Tyndall effect, because of the .		
a) Nature of solvent		
b) Amount of solute		
c) Size of the particles		
d) Nature of solute		
Answer is: c)		
4). Tyndall effect is exhibited by .		
a) True solutions		
b) Suspensions		
c) Colloidal solutions		

d) Crystals Answer is: c)

5). Tyndall effect is producted by

a) True solutions of light



d) Colloidal solution		
Answer is: c)		
10). The particle size of the solute in true solution is		
a) $1 \text{ Å} - 10 \text{ Å b}$)		
10 Å - 100 Å		
c) 100 Å - 1000 Å		
d) More than 1000 Å		
Answer is: a) 11).Milk		
is a .		
a) True solution		
b) Colloidal solution		
c) suspension		
d) saturated solution		
Answer is: b)		
12). Nitrogen in soil is an example for .		
a) True solution		
b) saturated		
c) super saturated		
d) unsaturated		
Answer is: b)		
13). Fog is a solution of .		
a) Liquid in gas		

Answer is: a)

b) Gas in liquid

c) Solid in gas

d) Gas in gas

14).Soda water is a solution of	
a) Liquid in gas	
b) Gas in liquid	
c) Solid in gas	
d) Gas in gas	
Answer is: b	
15).Blood is an example of .	
a) True solution	
b) Colloidal solution	
c) Saturated solution	
d) Suspension	
Answer is: b)	
16). The dispersed phase in a colloidal solution	n is .
a) Solute	
b) Solution	
c) Suspension	
d) Mixture	
Answer is: a)	
17).Sugar and Salt solutions are .	
a) Heterogeneous mixtures	
b) True solutions	
c) Colloidal solutions	
d) Suspensions	
Answer is: b)	
18).Brownian movement explains the	property of colloidal solution
a) optical	

	b) electrical	
	c) kinetic	
	d) mechanical	
Answer	is: c)	
19).In aq	ueous solutions, the solvent used is .	
	a) benzene	
	b) ether	
	c) alcohol	
	d) water	
Answer	is: d)	
20).The s	solution in which saturation is not achieved is called	
	a) Super saturated	
	b) Unsaturated	
	c) Saturated	
	d) Suspended	
Answer i	s: b)	
21). Cheese is a colloidal solution of .		
a)	Solid in solid	
b)	Liquid in solid	
c)	Solid in liquid	
d	Gas in solid	
Answer is:b)		
22).Cork is a colloid of .		
a)	Solid in solid	
b)	Liquid in solid	
c)	Solid in liquid	
d)	Gas in solid	
Answer is:d)		
23). Smoke is a colloid of .		

	b)	Liquid in solid
	c)	Solid in liquid
	d)	Solid in Gas
Answe	er is:	d)
24).Th	ie sat	curation temperature for 20.7g of CuSO4 soluble in water is .
	a)	100C
	b)	1000C
	c)	200C
	d)	300C
Answe	er is:	c)
25). The solubility level of an aqueous solution of NaCl at 250C is .		
	a)	20g
	b)	36g
	c)	95g
	d)	8g
Answe	er is:	b)
26). The increase in the solubility of Sodium halides, in water at 250C is		
	a)	NaCl > NaBr > Nal
	b)	NaBr > Nal > NaCl
	c)	Nal > NaBr > NaCl
	d)	NaCl = NaBr > Nal
Answe	er is:	c)
27).So	lubil	ity of CaO in water is a
	a)	Chermic
	b)	endothermic
	c)	exothermic
	d)	hypothermic
Answer is:c)		

Solid in solid

28).Acc	cording to Henry's Law, in gases, an increase in pressure increase	
a	a) Solubility	
t	b) saturatio	
C	c) n volume	
C	d) viscosity	
Answer	is: a)	
29). Deep sea divers use mixture of .		
a	a) Helium - Oxygen	
t	b) Nitrogen - Oxygen	
C	c) Hydrogen - Nitrogen	
C	d) Helium - Nitrogen	
Answer	ris: a)	
30).The	continuous random motion of colloidal particles is called .	
a	a) Brownian movement	
k	b) Zig zag movement	
C	c) Continuous movement	
C	d) Tyndall effect	
Answer	is: a)	
31).On i	increasing the temperature, the solubility of the solute in the solvent	
	a) Increase	
	b) Decrease	
	c) Change	
	d) Does not change	
Answer	is: a)	
32).Wh	ich law relates solubility of solvents with pressure?	
	a) Hess' law	
	b) Henry's law	
	c) Charles' Law	
	d) Boyle's law	

Answer is: b)
33). When sunlight passes through the window of your house, the dust particles scatter the light
making the path of the light visible. This phenomenon is called as
a) Brownian motion
b) Tyndall effect
c) Raman effect
d) Uniform motion
Answer is: b)
34). The Greek term 'atomos' means .
a) divisible
b) indivisible
c) macro molecule
d) soft sphere
Answer is: b
35). Isotopes are the atoms of same element, with same atomic number. But with different.
a) Atomic number
b) Mass number
c) Number of electrons
d) Chemical nature
Answer is: b)
36).C12 and 6C14 are .
a) Isotopes
b) Isobars
c) Isomers
d) Molecules
Answer is: a)

37). Atoms of different elements possessing in the same atomic mass are called
a) Isotopes
b) Isobars
c) Isomers
d) Molecules
Answer is: c)
38). Atoms of different elements with same number of neutrons.
a) Isotopes
b) Isomers
c) Isobars
d) Isotones
Answer is: d)
39). Atomicity of oxygen in ozone molecule is .
a) 1
b) 2
c) 3
d) 4
Answer is: c)
40). Atomicity of primary gases is .
a) 1
b) 2
c) 3
d) 4
Answer is: b)
41).In the Beginning of the 20th century, Matter Wave concept was introduced by

	a) Broglie	
	b) Avogadro	
	c) Heisenberg	
	d) Einstein	
Answer is	s: a)	
42). The Principle of Uncertainty was introduced by .		
	a) Broglie	
	b) Avogadro	
	c) Heisenberg	
	d) Einstein	
Answer is	s: c)	
43). <u>A</u> r40	and 20Ca40 are considered as .	
	a) Isotopes	
	b) Isomers	
	c) Isobars	
	d) Isotones	
Answer is	s: a)	
44).The co	ompound which does not show simple ratio of atoms, is	
	a) Benzene	
	b) Acetylene	
	c) Hydrogen	
	d) Sucrose	
Answer is	s: d)	
45).Avoga	adro's hypothesis relates volume of gases and .	
	a) mass	
	b) temperature	

•

c) pressure d) number of molecules Answer is: d) 46). Atomicity of an element is a) Valency of an element b) Atomic mass c) Number of atoms in one molecule of an element d) Isotope of an element Answer is: c) 47). Atomicity is given by a) Mass/molecular mass b) Mass of the element c) Molecular mass X atomic mass d) Molecular mass / atomic mass Answer is: d) 48). The atoms of 6C13 and 7N14 are considered as a) Isotopes b) Isomers c) Isobars d) Isotones Answer is: d) 49). Isotones are the atoms of different elements having a) Same mass number b) Same atomic number

c) Same number of neutrons

d) Same number of electrons

Answer is: c)

- 50). Atomicity of Phosphorous is _____.
 - a) 2
 - b) 3
 - c) 4
 - **d)** 5

Answer is: c)