

EXAMINATION BOARD

IMPORTANT MCQ'S FOR SECTION A

IX CHEMISTRY

1.	The branch of chemistry which deals with the emission of radiation					
	fromnuclei is called					
	(a) Organic chemistry (b)	Inorganic (c) Nuclear ch	emistry (d) Physical			
2.	Neither definite sha	pe nor definite vol	lume is the property	y of		
	(a) Solid	(b) Liquid	(c) Gas (d) None of the	m		
3.	(a) Solid	having definite sha (b) Liquid	ape and volume is k (c) Gas (d) Plasma	nown as:		
4.	The process in whic	h a solid directly ch	nange to vapour is k	nown as:		
	(a) Sublimation	(b) Evaporation	(c) Boiling	(d) Melting		
5.	When carbon burr	ns in air, this gas is	produced			
	(a) SO ₂	(b) H ₂ S	(c) NH₃	(d) CO ₂		
6.	The temperature at	which the vapour	pressure of a			
	liquidbecomes equa	al to its externalpre	essure is called:			
	(b) Melting point	(b) Boiling point	(c) Freezing point	(d) Triple point		
7.	The theory that gase	es consists of mole	cules, which are in	rapid option		
	isknown as:					
	(a) Dalton theory	(b) Bohr's theory	(c) Kinetic theory	(d) None of these		
8.	Graham law refers t	:0:				
	(a) B.P. of water	(b) gaseous diffusion	(c) gas comparison	(d) volume change		
9.	The branch of scien	nce that deals wit	in the properties,			
	composition& struc	cture of matterref	ers to:			
	(a) Chemistry	(b) Biochemistry	(c) Biology	(d) Physics		
10.	Chemistry deals wit	h:				
	(a) The changes involved	in the matter	(b) Principles governing	g the changes		
(c)	Composition & structure	of matter	(d) All of the above			
11.	which of the follow	ing is faise in case (of gases?			
(\mathbf{a})	(a) diffuse easily		(b) have mass (d) highly compressi			
(0)			(d) highly compression	ne		
12.	All gases flave:		(b) definite volume			
(c)	definite shape but no def	inite volume	(d) no definite shane	or volume		
12	The state of matter	that nossesses a d	efinite arrangemen	t of narticles		
13.	iscalled:					
	(a) gases	(b) liquids	(c) solids	(d) none		
14.	Some empirical laws	s known as laws of	chemical combinat	ions are:		
	(a) Law of conservation o	f mass	(b) Law of cons	tant composition		
(c) .	(c) Law of multiple proportion (d) All of these					
15.	15. Practical verification of law of conservation of mass studied by:					
(a)	(a) Landolt's experiment		(b) Rutherford	experiment		
(\mathbf{C})	Avogauro s'experiment		(u) None of th	ie above		

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16. AgNO ₃ + HCl → AgCl chemicalreaction:	+ HNO₃ in the above re	action after the	
Mass of reactants > mass of prod mass of products (d) All of	ucts (b) Mass of Products >I the above	Mass of reactants (c) Mass of rea	ctants =
17. The different of oxy	/gen 16 and 32 combin	e with the fixed mass	
of C(12g) in CO and	CO ₂ respectively in the	ratio of	
(a) 2 : 1 2	(b) 1 : 2	(c) 1 : 4	(d) 4 :
18. Molecular mass exp (a) Atomic mass (b) Mola i	ressed in gram is called mass (c) Formula mass	(d) Equivalent mass	
19. 44 a.m.u of CO₂ is ec	jual to it's: (b) Atomic mass	(c) Molecular mass	(d)

Massnumber

20. Neutron Possesses:

Positive charge
 (b) No charge
 (c) negative charge
 (d) None of the above

21. Though the three fundamental particles are present in almost allelements, one elementsdoes not possess:

inc.	its, one cier	nemesades not pos	5655.	
•	Proton	(b) Electron	(c) Neutron	(d)
	Nucleons	11 A.		

22. Neutron was discovered by: • Thomson (b) Chadwick (c) Bohr Rutherford

23. Mass number of an element represents number of: Proton and neutrons (b) Proton and electrons

(c) electron and neutrons

(d) None of the above

(b) Protons only

(d)

24. Atomic number of atoms represents:

- Protons and neutrons
- (C) Protons or electrons in a neutral atom
- (d) Electrons and neutrons

25. Neutron is a fundamental Particle carrying:

a charge of
 +1 unit anda
 mass of 1
 unit(b) no
 charge and

mass of 1 unit

- (c) no charge and no mass
- (d) a charge of -1 unit and no mass



	 move from none 	e around the nucleus diffused cloud arour of the above	in elliptical orbits ad the nucleus		
27.	Mass of t	he neutron is:			
	• same (c) slight	as proton ly less than that of j	proton	(b) much less than t (d) slightly more th	hat of proton han that of proton
28.	Positive i	ons are formed Positrons	from the neutron (b) protons	s atom by the loss (c) electrons	of: (d) neutrons
29.	A-Z indica •	ates the number Electron	b) Proton	_in the nucleus of (c) Neutron	an atom. (d) Alpha
20	An atom	of sodium has	prote	ons in it	
50.	(a) 10	or souldin has	(b) 11	(c) 12	(d) 14
31.	The elect	ronic configurat	ion of	is K=2, L =	8, M=1:
	• L	ithium	(b) Sodium	(c) Potassium	(d) Rubidium
32.	Which of	the following el Calcium (C(a) (N(a)	ement has its eleo (b) Magnesium (Mg)	ctronic configurati (c) Neon (Ne)	on K ² L ⁸ M ² ? (d) Sodium
33.	Which pa	rticles is the hea Electron particles	aviest in the follow (b) Proton	wing: (c) Neutron	(d) Alpha
34.	The nucle (c) Electr	eus of an atom c Electrons and prote rons and neutrons	onsists of:	(b) Protons and neu (d) Only protons	itrons
35.	Which pa	rticles is the ligh Electron particles	test in the follow (b) Proton	ring: (c) Neutron	(d) Alpha
36.	The mass $(a)_{30}^{0} 9.11x$	of electron is 10^{-26} g	(b) 9.11x10 ⁻²⁷ g	(c) 9.11x10 ⁻²⁸ g	(d) 9.11x10 ⁻
37.	The mass (a) 1.67 x 25 g	of proton is: x10 ⁻²² g	(b) 1.67 x10 ⁻²³ g	(c) 1.67 x10 ⁻²⁴ g	(d) 1.67 x10 ⁻
38.	The e/m gas in the	ratio of the rays edischarged tube	varies e.	with the nature of	F
	• a	node rays	(b) beta rays	(c) gamma r	ays
39.	In Ruther	ford's Experime	nt very few alpha (b) bounced	(c) deflected	(d) none
40. (a) 6	(b) 7 (c)	8 (d) 9	in is		
41.	A proton (a) 1636	is how many tin	nes heavier than ((b) 1836	electron (c) 1936	(d) 1736



42. Who put forward atomic	(b) Bohr	(c) James Chadwick (d)	Goldstein
43. The maximum number of formulaof:	of electrons in the s	hell is found out by	the
(a) n^2	(b) 2n ²	(c) n	(d) 2n
 44. It is the longest period of Third period period 	f the modern perio (b) Fourth period	dic table: (c) Fifth period	(d) <u>*Sixth</u>
45. The vertical column of th • Peri	ne periodic table ar ods (b) Series (c) <u>*Gro</u>	e called ups (d) Rows	
46. The most reactive metal • <u>*Na</u> (b) Cu	is (c) Fe	(d) Ca	
47. Group I-A element are ca • Halogens	alled (b) <u>*Alkali metal</u>	(c) Alkaline earth metal	l (d) Noble gases
48. In the periodic table, the order of increasing	e element have bee	n arranged in the	
49. Which of the following is	a good conductor	of heat and electric	ity? (d) *Copper
50. How many elements are	there in the third p	period of the period	ic table?
(a) 2	(b) <u>*8</u>	(c) 18	(d) 28
	and the second s		- Contra 1
51. There are table.	elements in the	sixth period of the p	eriodic
51. There are table.	elements in the s	sixth period of the p (c) 16	eriodic (d) <u>*32</u>
 51. There are table. (a) 2 52. The symbol Mg represent Manganese Molybdenum 	elements in the s (b) 8 its the element (b) <u>*Magnesium</u>	sixth period of the p (c) 16 (c) Mercury	eriodic (d) <u>*32</u> (d)
 51. There are table. (a) 2 52. The symbol Mg represent Manganese Molybdenum 53. Element differ from one *Protons (b) Neutrons 	elements in the s (b) 8 Its the element (b) <u>*Magnesium</u> another according (c) Isoto	sixth period of the p (c) 16 (c) Mercury to the number of pes (d) a.m.u	eriodic (d) <u>*32</u> (d)
 51. There are table. (a) 2 52. The symbol Mg represent Manganese Molybdenum 53. Element differ from one <u>*Protons</u> (b) Neutrons 54. The incomplete period in (a) *7 	elements in the solution of the periodic table (b) 6	sixth period of the p (c) 16 (c) Mercury to the number of pes (d) a.m.u sis: (c) 3	eriodic (d) <u>*32</u> (d) (d) 1
 51. There are table. (a) 2 52. The symbol Mg representer Manganese Molybdenum 53. Element differ from one <u>*Protons</u> (b) Neutrons 54. The incomplete period in (a) *7 55. The force which hold at a molecules iscalled 	elements in the s (b) 8 its the element (b) <u>*Magnesium</u> another according (c) Isoto the periodic table (b) 6 om together in a for	(c) 16 (c) Mercury to the number of pes (d) a.m.u is: (c) 3 rm of compound or	eriodic (d) <u>*32</u> (d) (d) 1
 51. There are table. (a) 2 52. The symbol Mg representer Manganese Molybdenum 53. Element differ from one <u>*Protons</u> (b) Neutrons 54. The incomplete period in (a) *7 55. The force which hold at complex iscalled Ionic bond bond 	elements in the solution of the element (b) 8 (c) solution of the periodic table (b) 6 (c) solution the periodic table (b) 6 (c) solution together in a form together in a form together in a solution of the periodic table (c) solution together in a	(c) 16 (c) Mercury to the number of pes (d) a.m.u is: (c) 3 rm of compound or (c) Co-ordinate	eriodic (d) <u>*32</u> (d) (d) 1 (d) Chemical
 51. There are table. (a) 2 52. The symbol Mg representer Manganese Molybdenum 53. Element differ from one <u>*Protons</u> (b) Neutrons 54. The incomplete period in (a) *7 55. The force which hold at a molecules iscalled Ionic bond bond 56. Which of the following conception on the incomplete period in the	elements in the solution of the periodic table (b) 6 compounds contain covalent and co-ore contain	sixth period of the p (c) 16 (c) Mercury to the number of pes (d) a.m.u is: (c) 3 rm of compound or (c) Co-ordinate s all the three	eriodic (d) <u>*32</u> (d) (d) 1 (d) Chemical
 51. There are table. (a) 2 52. The symbol Mg represent Manganese Molybdenum 53. Element differ from one <u>*Protons</u> (b) Neutrons 54. The incomplete period in (a) *7 55. The force which hold at a molecules iscalled lonic bond bond 56. Which of the following chemicalbond i.e. ionic, bond? 	elements in the s (b) 8 ts the element (b) <u>*Magnesium</u> another according (c) Isoto the periodic table (b) 6 om together in a for (b) Covalent bond ompounds contain covalentand co-ord	sixth period of the p (c) 16 (c) Mercury to the number of pes (d) a.m.u is: (c) 3 rm of compound or (c) Co-ordinate s all the three dinate covalent	eriodic (d) <u>*32</u> (d) (d) 1 (d) Chemical
 51. There are table. (a) 2 52. The symbol Mg representer Manganese Molybdenum 53. Element differ from one <u>*Protons</u> (b) Neutrons 54. The incomplete period in (a) *7 55. The force which hold at a molecules iscalled lonic bond bond 56. Which of the following carchemicalbond i.e. ionic, bond? CO2 57. Which of the following negative period? 	elements in the s (b) 8 hts the element (b) <u>*Magnesium</u> another according (c) Isoto the periodic table (b) 6 om together in a for (b) Covalent bond ompounds contain covalentand co-ord (b) NaCl holecule contains the	sixth period of the p (c) 16 (c) Mercury to the number of pes (d) a.m.u is: (c) 3 rm of compound or (c) Co-ordinate s all the three dinate covalent (c) CH ₃ COOH riple covalent	eriodic (d) <u>*32</u> (d) (d) 1 (d) Chemical (d) NH₄Cl

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58. What type of bonding is	found in CH₄ moleo	cule?	
Covalent bond	(b) Hydrogen bond	(c) Ionic bond	(d) Metallic
bond	oloculo containe d	ouble covalent be	200
\cdot NH ₃	(b) CO ₂	(c) HCl	(d) CH₄
60. Elements whose electron	legativites are 1.2	and 3.0 form:	
 covalent bond 	(b) ionic bond	(c) co – ordinate bond	d(d) metallic bond
61. Polar Compounds are sol	uble in:		())
Organic solvent	(b) non polar solvents	(c) polar solvents	(d) acids
electrons is lost by th	• e atom	(b) electron is gained	by the atom
(c) proton is lost by the atom	1	(d) proton is gained	by the atom
63. In covalent bonding:		(h) Charing of clastro	na takas ulass
(c) Electrons are shared by c	one atom only	(d) None	ns takes place
		(0) 1 (010	
64. Covalent compounds are	soluble in:	(.)	
• inorganic solvents	(b) organic solvents	(c) concentrated acid	(d) dilute acids
• 1 electrons	(b) 2 electrons	(c) 4 electrons	(d) 6 electrons
66. In a crystal, cation and ar	nions are held toge	ether by:	
electrons	(b) nuclear forces	(c) electrostatic force	(d) covalent
bonds			
67. If the bond has negligible	ionic character. t	he nature of bond i	s:
(a) Pure covalent	(b) partial ionic	(c) partial covalent	(d) co – ordinate
Covalent			
68. The bond in ivigO is	<i></i>		
(a) Ionic bondordinate covalent bon	(b) Covalent bond d covalent bond	(c)Chemical bond	(d) Co-
69. Double covalent bond is	denoted by:		
(a) Single short line	(b) two short line	(c) three short line	(d) all of the
above	the nein of electio	no for bond former	ian ia
v. The atom which supplies	the pair of electio	ins for bond format	
(a) acceptor	(b) receiver	(c) donor	(d) none of
these			
71. Co-ordinate covalent bo	ond is always form two:	ed between the	
(a) like atom (b) unlike atom	(c) similar atom	(d) like and unlikeato	m
72. Homogenous mixture of	solute and solvent	is called a	
(a) Suspension	(b) Solution	(c) Solute	(d) Solvent
73. Brass of a solution of:			
(a) Copper and lead Zinc	(b) Copper and Tin	(c) Copper and Silver	(d) Copper and
74. The Solution that conta	ins 1 mole of sol	ute in 1 dm ³ of	
solution iscalled a			
solution			
(a) Normal (b) Saturated	(c) Molal	(d) Molar	



75.	75. A substances formed by mixing only two substance is called a					
76	(a) Binary (b) Unified The Solibility of	(c) Colloidal in liquid in	(d) Saturated			
70.	temperature.					
	(a) Solids (b) Liquids	(c) Gases	(d) Metals			
77.	The no of moles of solute called :	dissolved in 1 dm ³	of a solvent is			
	(a) Molarity (b) Normality	(c) Mole fraction	(d) Molality			
78.	The_of a substance is the	ne amount of subs	stance thatdissolve	ed		
	as a giventemperature.					
	(a) Crystallization	(b) Solubility	(c) Distillation	(d) Filtration		
79.	Solubility is usually expre	ssed in grams of so	lute per	gram		
	(a) 10	(b) 100	(c) 1000	(d) 10000		
80.	Suspensions are	because at l	least two substance	e can		
	be clearlyidentified	(1) I .	()	()		
81.	(a) Homogenous If 0.4 is the mole fraction (a) 0.1	(b) heterogeneous of solute the mole (b) 0.6	(c) uniform fraction of solvent (c) 0.9	(d) solution would be: (d) 1.0		
82.	It is define as the number	of moles of solute	dissolves in one			
•=-	litre of solution.					
	(a) Molarity (b) Molality	(c) Normality	(d) Mole fraction			
83.	The suspend particles in s (a) 10nm	(b) 100nm	erallv of the size (c) 1200nm	(d) 1 nm		
84.	The sum of the mole fract (a) 3	tion of solute and s (b) 2	olvent is equal to (c) 1	(d) 0		
85	Which of the following an	ueous solution wil	l conduct electric c	urrent		
05.	quitowoll?			arrent		
	(a) Sugar	(b) Glycerol	(c) Pure Water	(d) HCI		
86.	The electric charge for ele substanceis:	ectrode deposition	of 1 g equivalent o	fa		
	(a) 1 ampere / sec		(b) 1 ampere / hr			
	(c) 96500 C / sec		(d) Charge on 1 mole	e of substance		
97	Solid NaCl is a bad condu	ctor of electricity b	ocaliso.			
07.	(a) in solid state there	are no electrons	(h) In			
	solid state.there are no	ions(c) In solid NaCl. th	ere is			
	no migration (d) solid I	NaCl is covalent				
88.	HCl solution conduct elec (a) it is ionic bond bonds	tricity because (b) its covalent bond (c) its form dative bond (d)	It forms I- I		
89.	The substances that cond	uct electricity in m	olten states are			
	(a) electrolysis conductor	(b) non-electrolysis	(c) Fused salt	(d) Bad		