

# **9TH CLASS CHEMISTRY FULL BOOK MCQS (ENGLISH)**

<b>Sr. #</b>	<b>Questions</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>1 (c) (2016) (2017)</b>	Industrial chemistry deals with the manufacturing of compounds:	In the laboratory	On micro scale	On commercial scale	On economic scale
<b>2 (a) (2016) (2016) (2016)</b>	Which one of the following compounds can be separated by physical means?	Mixtures	Elements	Compounds	Radicals
<b>3 (a) (2014) (2017)</b>	The most abundant element occurring in the oceans is:	Oxygen	Hydrogen	Nitrogen	Silicon
<b>4 (a)</b>	Which one the following elements are found in most abundance in the Earth's crust?	Oxygen	Aluminum	Silicon	Iron
<b>5 (d)</b>	The third abundant gas found in the Earth's atmosphere is?	Carbon monoxide	Oxygen	Nitrogen	Argon
<b>6 (b) (2014) (2016)</b>	One amu (atomic mass unit) is equivalent to:	$1.66 \times 10^{-24}$ mg	$1.66 \times 10^{-24}$ g	$1.66 \times 10^{-24}$ kg	$1.66 \times 10^{-23}$ g
<b>7 (a) (2017)</b>	Which one the following molecule is not tri-atomic?	H <sub>2</sub>	O <sub>3</sub>	H <sub>2</sub> O	CO <sub>2</sub>
<b>8 (a)</b>	The mass of one molecule of water is:	18 amu	18 gram	18 mg	18 kg
<b>9 (a) (2015)</b>	The molar mass of H <sub>2</sub> SO <sub>4</sub> is:	98 gram	98 amu	9.8 gram	9.8 amu
<b>10 (a)</b>	Which one of the following is a molecular mass of O <sup>2</sup> in amu? 2	32 amu	$53.12 \times 10^{-24}$ amu	$1.92 \times 10^{-25}$ amu	$192.64 \times 10^{-25}$ amu
<b>11 (b)</b>	How many number of moles are equivalent to 8 grams of CO? 2	0.15	0.18	0.21	0.24
<b>12 (c)</b>	In which one of following pairs	1 mole of NaCl and 1	$\frac{1}{2}$ mole of NaCl and $\frac{1}{2}$	$\frac{1}{2}$ mole of NaCl and 1/3	$\frac{1}{3}$ mole of NaCl and $\frac{1}{2}$

	has the same number of ions?	mole of MgCl <sub>2</sub>	mole of MgCl <sub>2</sub>	mole of MgCl <sub>2</sub>	mole of MgCl <sub>2</sub>
13 (a)	Which one the following pairs has the same mass?	1 mole of CO and 1 mole of N <sub>2</sub>	1 mole of CO and 1 mole of CO <sub>2</sub>	1 mole of O <sub>2</sub> and 1 mole of N <sub>2</sub>	1 mole of O <sub>2</sub> and 1 mole of CO <sub>2</sub>
14 (b) (2012)	Number of carbon atoms present in <b>one molecule</b> of glucose are:	12	6	11	22
15 (c) (2014)	The symbol of boron is:	Be	Br	B	Ba
16 (a) (2014)	Gram atomic mass of hydrogen is	1.008 g	2.016 g	1.008 amu	2.016 amu
17 (c) (2015)	Empirical formula of benzene is:	C <sub>6</sub> H <sub>6</sub>	C <sub>2</sub> H <sub>2</sub>	CH	CH <sub>2</sub> O
18 (a) (2015)	12 g of carbon contain atoms:	$6.02 \times 10^{23}$	$12.04 \times 10^{23}$	$1.672 \times 10^{-24}$	$18.06 \times 10^{23}$
19 (b) (2016)	Atomic number of element is expressed by the letter:	Q	Z	N	O
20 (b) (2016)	The molar mass of H <sub>3</sub> PO <sub>4</sub> is:	98 amu	98g	9.8g	96g
21 (b) (2016)	Example of diatomic molecule is:	CO <sub>2</sub>	HCl	H <sub>2</sub> O	O <sub>3</sub>
22 (c) (2017)	Atomic number of oxygen:	6	9	8	10
23 (c) (2018)	The most abundant gas found in the atmosphere is?	Carbon monoxide	Oxygen	Nitrogen	Argon
24 (a) (2018)	Empirical formula of benzene is:	CH	OH	NH <sub>3</sub>	CH <sub>4</sub>

Sr. #	Questions	A	B	C	D
1 (b) (2016)	Which one the following results in the discovery of protons:	Cathode rays	Canal rays	X-rays	Alpha rays
2 (c)	Which one of the following is the most penetrating?	Protons	Electrons	Neutrons	Alpha particles
3 (c)	The concept of orbit was used by:	J.J Thomson	Rutherford	Bohr	Planck
4 (d) (2017) (2018)	Which one the following shell consist of three subshells.	O shell	N shell	L shell	M shell
5 (a) (2016)	Which radioisotope is used for the diagnosis of tumor in the body?	Cobalt-60	Iodine-131	Strontium-90	Phosphorus-32
6 (b)	When U-235 breaks up, it produces:	Electrons	Neutrons	Protons	Nothing
7 (c)	The p subshell has:	One orbital	Two orbitals	Three orbitals	Four orbitals
8 (b) (2016)	Deuterium is used to make:	Light water	Heavy water	Soft water	Hard water
9 (d) (c) 9.1 (c)	The isotope C-12 is present in abundance of:	96.9%	97.6%	98.9%	None of these

(9<sup>th</sup> Urdu Chemistry textbook)

<b>10 (a) (2017)</b>	Who discovered the proton?	Goldstein	J.J Thomson	Neil'sBohr	Rutherford
<i>MCQs of previous Board papers</i>					
<b>11 (c) (2012)</b>	How many isotopes of oxygen exist?	2	4	3	5
<b>12 (c) (2012)</b>	If n = 4 than how many electrons can be accommodated in its shells?	18	16	32	64
<b>13 (c) (2015)</b>	p subshell can accommodate electrons?	2	4	6	8
<b>14 (b) (2015)</b>	Number of neutrons of potassium is:	19	20	39	18
<b>15 (b) (2015)</b>	Who is the Father of Nuclear Sciences?	NeilBohr	Rutherford	MaxPlanck	J.JThomson
<b>16 (b) (2014)</b>	"N" shell can accommodate electrons:	18	32	8	2
<b>17 (b) (2015)</b>	Electronic configuration of Nitrogen is:	1s2, 2s2, 2p2	1s2, 2s2, 2p3	1s2, 2s2, 2p4	1s2, 2s2, 2p5
<b>18 (c) (2015)</b>	Mass of Neutron is?	1.0073 amu	1.0080 amu	1.0087 amu	2.016 amu
<b>19 (b) (2014)</b>	"M" shell can accommodate maximum number of electrons:	32	18	8	2
<b>20 (c) (2018)</b>	Charge on neutron is:	Negative	Positive	No	Partial positive

Sr. #	Questions	A	B	C	D
1 (b)	The atomic radii of the elements in Periodic Table:	Increase from left to right in a period	Increase from top to bottom in a group	Do not change from left to right in a period	Decrease from top to bottom in a group
2 (d) (2015)	The amount of energy given out when an electron is added to an atom is called:	Lattice energy	Ionization energy	Electronegativity	Electron affinity
3 (b)	Mendeleev Periodic Table was based upon the:	Electronic configuration	Atomic mass	Atomic number	Completion of a subshell
4 (b) (2016) (2016)	Long form of Periodic Table is constructed on the	Mendeleev Postulate	Atomic number	Atomic mass	Mass number
5 (c) (2016) (2017)	4th and 5th period of the long form of Periodic Table are called:	Short periods	Normal periods	Long periods	Very long periods
6 (d) (2015) (2018)	Which one of the following halogen has lowest electronegativity?	Fluorine	Chlorine	Bromine	Iodine
7 (a)	Along the period, which one of the following decreases:	Atomic radius	Ionization energy	Electron affinity	Electronegativity
8 (b) (2014) (2016) (2016) (2017)	Transition elements are:	All gases	All metals	All non-metals	All metalloids
9 (c)	Mark the incorrect statement about ionization energy:	It is measured in $\text{kJ mol}^{-1}$	It is absorption of energy	It decreases in a period	It decreases in a group

<b>10</b> <b>(c)</b>  Point out the incorrect statement about electron affinity:	It is measured in $\text{kJmol}^{-1}$	It involves release of energy	It decreases in a period	It decreases in a group
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## MCQs of previous Board papers

<b>11</b> <b>(c)</b> <small>(2012)</small>  Number of elements present in sixth period:	18	36	32	24
<b>12</b> <b>(c)</b> <small>(2012)</small>  What is valency of halogens?	+1	+2	-1	-2
<b>13</b> <b>(d)</b> <small>(2012)</small>  How many electrons are present in outer most shell of carbon?	5	6	3	4
<b>14</b> <b>(c)</b> <small>(2014)</small>  The radius of carbon atom is?	154 pm	115 pm	77 pm	38 pm
<b>15</b> <b>(a)</b> <small>(2014) (2018)</small>  The first period consists of:	Two elements	Three elements	Four elements	Five elements
<b>16</b> <b>(a)</b> <small>(2014) (2016) (2018)</small>  Which one of the following halogen has the highest electronegativity?	Fluorine	Chlorine	Bromine	Iodine
<b>17</b> <b>(a)</b> <small>(2015)</small>  Which one of the following decreases in periods of periodic table?	Atomic radius	Ionization energy	Electron affinity	Dative covalent bond
<b>18</b> <b>(b)</b> <small>(2015)</small>  Carbon family has general electronic configuration:	ns $2$ np $1$	ns $2$ np $2$	ns $2$ np $3$	ns $2$ np $4$
<b>19</b> <b>(a)</b> <small>(2016)</small>  Vertical lines of periodic table are called:	Groups	Atomic number	Periods	Atomic mass
<b>20</b> <b>(d)</b> <small>(2016)</small>  The distance between the nuclei of two carbon atoms is:	115 pm	110 pm	140 pm	154 pm

		Short periods	Normal periods	Long periods	Very long periods
<b>21</b> <b>(a)</b> <small>(2017)</small>	In periodic table the first period is called:				
<b>22</b> <b>(a)</b> <small>(2017)</small>	Total groups in Modern periodic table are:	18	7	5	10
<b>23</b> <b>(a)</b> <small>(2018)</small>	How many elements are there in the second period of long form of periodic table:	8	18	23	32

Sr. #	Questions	A	B	C	D
1 (c)	Atoms reacts with each other because:	They are attached to each other	They are short of electrons	They want to attain stability	They want to disperse
2 (c)	An atom having six electrons in its valence shell will achieve noble gas electronic configuration by:	Gaining one electron	Losing all electrons	Gaining two electrons	Losing two electrons
3 (c)	Considering the electronic configuration of atoms which atoms with the given atomic number will be the most stable one?	6	8	10	12
4 (d) (2016) (2018)	Octet rule is:	Description of eight electrons	Picture of electronic configuration	Pattern of electronic configuration	Attaining of eight electrons
5 (b) (2016) (2016)	Transfer of electrons between the atoms results in:	Metallic bonding	Ionic bonding	Covalent bonding	Coordinate covalent bonding
6 (b)	When an electronegative element combines with an electropositive element the type of bonding is:	Covalent	Ionic	Polar covalent	Metallic

<b>7 (a)</b> <small>(2016) (2017)</small>	A bond form between to non-metals is expected to be:	Covalent	Ionic	Polarcovalent	Metallic
<b>8 (b)</b> <small>(2016)</small>	A bond pair in covalent molecules usually has:	Oneelectron	Two electrons	Three electrons	Four electrons
<b>9 (b)</b>	Which of the following compounds is not directional in its bonding?	CH4	KBr	CO2	H2O
<b>10 (c)</b> <small>(2017)</small>	Icefloats on water because:	Ice is denser than water	Ice is crystalline in nature	Water is denserthan ice	Water molecules move randomly
<b>11 (c)</b>	Covalentbond involves the:	Donation of electrons	Acceptance of electrons	Sharing of electrons	Repulsionof electrons
<b>12 (d)</b>	How many covalent bonds does CH <sub>2</sub> molecule have?	Two 2	Three	Four	Five
<b>13 (b)</b> <small>(2014) (2016) (2018)</small>	Triple covalent bond involves how many electrons?	Eight	Six	Four	Only three
<b>14 (c)</b>	Which pair of the molecules has same	O2 and HCl	O2 and N2	O2 and C2H4	O2 and C2H2

type of covalent bonds?

**15  
(a)  
(2016)**

Identify the compound which is not soluble in water.

C<sub>6</sub>H<sub>6</sub>

NaCl

KBr

MgCl<sub>2</sub>

**16  
(b)  
(2014)**

Which one of the following is an electron deficient molecule?

NH<sub>3</sub>

BF<sub>3</sub>

N<sub>2</sub>

O<sub>2</sub>

**17  
(d)**

Identify which pair has polarcovalent bonds.

O<sub>2</sub> and Cl<sub>2</sub>

H<sub>2</sub>O and N<sub>2</sub>

H<sub>2</sub>O and C<sub>2</sub>H<sub>2</sub>  
H<sub>2</sub>O اور C<sub>2</sub>H<sub>2</sub>

H<sub>2</sub>O and HCl  
H<sub>2</sub>O اور HCl

**18  
(c)**

Which one of the following is the weakest force among the atoms?

Ionic force

Metallic force

Intermolecular force

Covalent force

### **MCQs of previous Board papers**

**19  
(c)  
(2012)**

What is the valency of halogens?

+1

+2

-1

-2

**20  
(c)  
(2014)**

The bond formed due to mutual sharing of electrons is called:

Metallic bond

Ionic bond

Covalent bond

Coordinate covalent bond

**21  
(c)  
(2014)**

Melting point of Sodium Chloride is:

700 °C

1413 °C

800 °C

100 °C

**22  
(b)  
(2015)**

The difference of electronegativity between two elements is more than 1.7 the

Covalent bond

Ionic bond

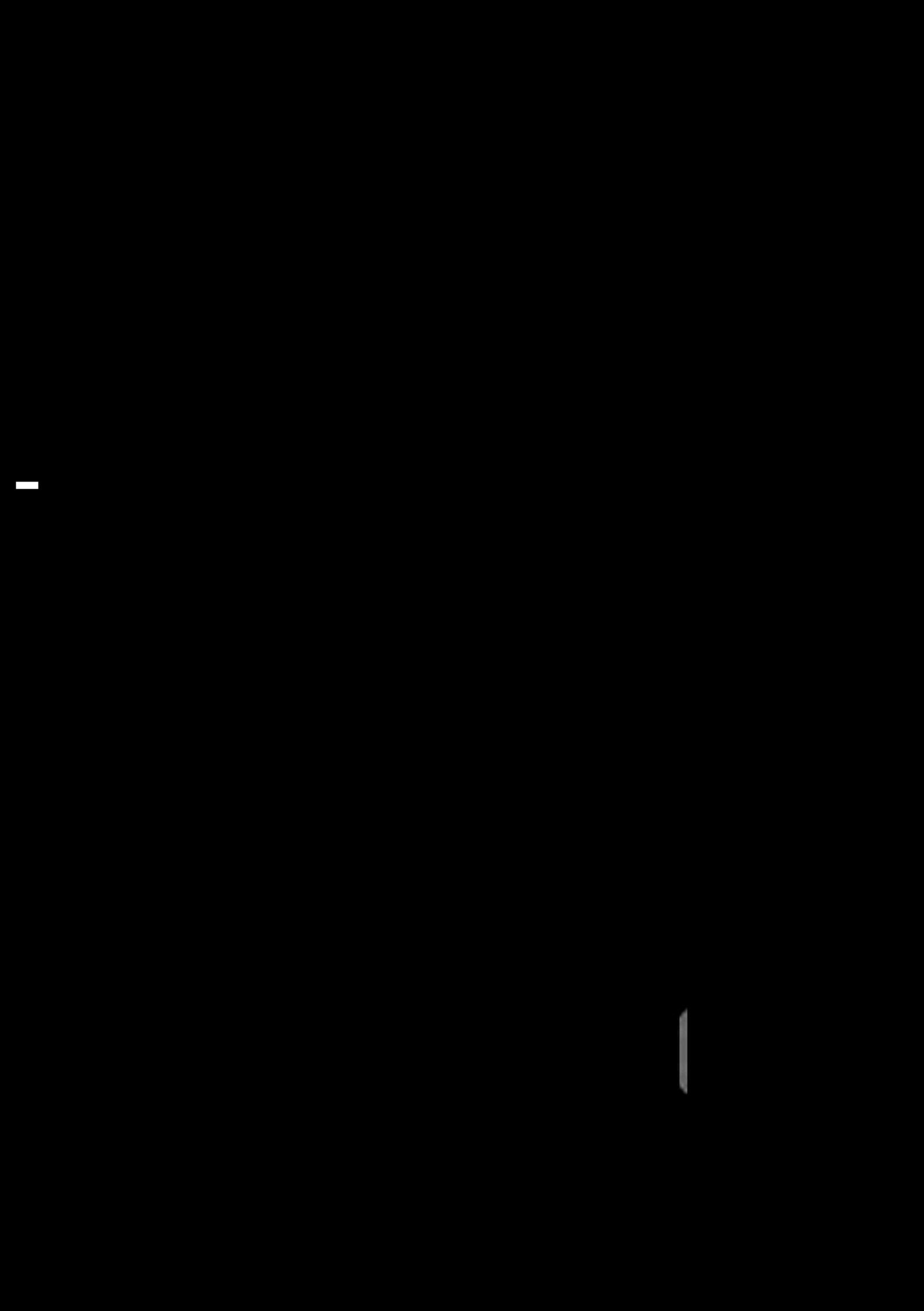
Non-polar

None

bond will be:

<b>23 (c) (2015)</b>	The weakest force among the atoms is:	Ionic force	Metallic force	Intermolecular force	Covalent force
<b>24 (b) (2015)</b>	Chemical bond formed between two similar atoms is:	Polar bond	Non-polar bond	Metallic bond	Dative covalent bond
<b>25 (c) (2015)</b>	Which one of the following is boiling point of sodium chloride?	1000 °C	1100 °C	1413 °C	1314 °C
<b>26 (c) (2016)</b>	Which one is an ionic compound:	HCl	CH4	NaCl	BF3
<b>27 (a) (2018)</b>	Atomic number of sodium is:	11	10	12	13
<b>28 (b) (2018)</b>	Electronegativity of chlorine is:	3.1	3.2	3.3	3.4

Sr. #	Questions	A	B	C	D
1  (b)  (2016)  (2017)	How many times liquids are denser than gases?	100 times	1000 times	10,000 times	100,000 times
2  (c)	Gases are the lightest form of matter and their densities are expressed in terms of :	mg cm <sup>-3</sup>	g cm <sup>-3</sup>	g dm <sup>-3</sup>	kg dm <sup>-3</sup>
3  (c)	At freezing point which one of the following coexists in dynamic equilibrium:	Gas and solid	liquid and gas	liquid and solid	All of these
4  (b)	Solid particles possess which one of the following motions?	Rotational motions	Vibrational motions	Translation motions	Both translation and vibrational motions
5  (d)	Which one of the following is not amorphous?	Rubber	Plastic	Glass	Glucose
6  (a)  (2018)	One atmospheric pressure is equal to how many pascals:	101325	10325	106075	10523
7  (c)  (2016)	In the evaporation process, liquid molecules which leave the surface of the liquid have:	Very low energy	Moderate energy	Very high energy	None of these
8  (a)  (2014)  (2016)	Which one of the following gas diffuses fastest?	Hydrogen	Helium	Fluorine	Chlorine
9  (d)	Which one of the following does not affect the boiling point?	Intermolecular forces	External pressure	Nature of liquid	Initial temperature of liquid



<b>Sr. #</b>	<b>Questions</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>1 (a) (2016)</b>	Mist is an example of solution:	Liquid in gas	Gas in liquid	Solid in gas	Gas in solid
<b>2 (b)</b>	Which one of the following is a liquid in solid solution?	Sugar in water	Butter	Opal	Fog
<b>3 (b)</b>	Concentration is ratio of:	Solvent to solute	Solute to solution	Solvent to solution	Both a and b
<b>4 (d) (2015)</b>	Which of the following solution contains more water?	2M	1M	0.5M	0.25M
<b>5 (d)</b>	A 5 percent (W/W) sugar solution means that:	5 g of sugar is dissolved in 90 g of water	5 g of sugar is dissolved in 100 g of water	5 g of sugar is dissolved in 105 g of water	5 g of sugar is dissolved in 95 g of water
<b>6 (b)</b>	If the solute-solute forces are strong enough than those of solute – solvent forces. The solute:	Dissolved readily	Does not dissolve	Dissolves slowly	Dissolves and precipitates
<b>7 (d) (2018)</b>	Which of the following will show negligible effect of temperature on its solubility?	KCl	KNO <sub>3</sub>	NaNO <sub>3</sub>	NaCl
<b>8 (c) (2016)</b>	Which of the following is heterogeneous mixture?	Milk	Ink	Milk of magnesia	Sugar solution
<b>9 (c) (2017)</b>	Tyndall effects shown by:	Sugar solution	Paints	Jelly	Chalk solution
<b>10 (c) (2018)</b>	Tyndall effects is due to:	Blockage of beam of light	Non-scattering of beam of light	Scattering of beam of light	Passing through beam of light
<b>11 (c) (2018)</b>	If 10 cm <sup>3</sup> of alcohol is dissolved in 100 g of water, it is called:	% w/w	% w/v	% v/w	% v/v

<b>12 (d) (2017)</b>	When a saturated solution is diluted it turns into:	Supersaturated solution	Saturated solution	A concentrated solution	Unsaturated solution
<b>13 (d)</b>	Molarity is the number of moles of solute dissolved in:	1 Kg of solution	100 g of solvent	1 dm <sup>3</sup> of solvent	1 dm <sup>3</sup> solution

### **MCQs of previous Board papers**

<b>14 (d) (2012)</b>	The gas which can be absorbed by Palladium:	CO <sub>2</sub>	N <sub>2</sub>	O <sub>2</sub>	H <sub>2</sub>
<b>15 (b) (2012)</b>	Alcohol in water is an example of:	Gas in liquid	Liquid in liquid	Solid in gas	Gas in gas
<b>16 (a) (2014)</b>	Air is an example of solution:	Gas in gas	Gas in solid	Solid in gas	Gas in liquid
<b>17 (b) (2015)</b>	The number of moles of solute dissolved in one dm <sup>3</sup> of the solution is called:	Solubility	Molarity	Colloid	Suspension
<b>18 (a) (2016)</b>	Which thing is soluble in carbon tetrachloride:	Grease	Alcohol	Sugar	Sodium chloride
<b>19 (d) (2017)</b>	Which one is universal solvent:	Benzene	Alcohol	HCl	Water
<b>20 (a) (2017)</b>	The minimum components of a solution are:	2	4	5	3
<b>21 (b) (2018)</b>	Brass is a solid solution of:	C + Cu	Zn + Cu	Zn + Ag	Au + Zn
<b>22 (b) (2018)</b>	Example of “gas in liquid” is:	Air	Oxygen in water	Mist	Smoke in air

Sr. #	Questions	A	B	C	D
<b>1 (b) (2016) (2017)</b>	Spontaneous chemical reactions take place in:	Electrolytic cell	Galvanic cell	Nelson's cell	Downs cell
<b>2 (a)</b>	Formation of water from hydrogen and oxygen is:	Redox reaction	Acid-base reaction	Neutralization	Decomposition
<b>3 (b)</b>	Which one of the following is not an electrolytic cell?	Downscell	Galvanic cell	Nelson's cell	Both a and c
<b>4 (b) (2016) (2017) (2018)</b>	The oxidation number of chromium in K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> is:	+2	+6	+7	+14
<b>5 (a) (2014) (2016) (2018)</b>	Which one of the following is not an electrolyte?	Sugar solution	Sulphuric acid solution	Lime solution	Sodium chloride solution
<b>6 (b) (2016)</b>	The most common example of corrosion is:	Chemical decay	Rusting of iron	Rusting of aluminum	Rusting of tin
<b>7 (b)</b>	Nelson's cell is used to prepare caustic soda along with gases. Which of the following gas is produced at cathode:	Cl <sub>2</sub>	H <sub>2</sub>	O <sub>3</sub>	O <sub>2</sub>
<b>8 (d)</b>	During the formation of water from hydrogen and oxygen, which of the following does not occur:	Hydrogen has oxidized	Oxygen has reduced	Oxygen gains electrons	Hydrogen behaves as oxidizing agent
<b>9 (a) (2014)</b>	The formula of rust is:	Fe <sub>2</sub> O <sub>3</sub> .nH <sub>2</sub> O	Fe <sub>2</sub> O <sub>3</sub>	Fe(OH) <sub>3</sub> .nH <sub>2</sub> O	Fe(OH) <sub>3</sub>
<b>10 (b)</b>	In the redox reaction between Zn and HCl, the oxidizing agent is:	Zn	H <sup>+</sup>	Cl <sup>-</sup>	H <sub>2</sub>

**MCQs of previous Board papers**

<b>11</b> <b>(d)</b> <small>(2012)</small>	Whose oxidation number is +2?	K <sup>+1</sup>	Na <sup>+1</sup>	O <sup>-2</sup>	Ca <sup>+2</sup>
<b>12</b> <b>(b)</b> <small>(2012)</small>	In electroplating of silver, anode is made of?	Copper	Silver	Gold	Zinc
<b>13</b> <b>(b)</b> <small>(2014)</small> <small>(2014)</small> <small>(2015)</small>	The oxidation number of chlorine in KClO <sub>3</sub> is?	+6	+5	+1	-2
<b>14</b> <b>(b)</b> <small>(2015)</small>	What is obtained from fused NaCl?	NaOH	Sodium metal	Both A and B	None
<b>20</b> <b>(c)</b> <small>(2015)</small> <small>(2016)</small>	The oxidation number of all elements in free state:	+1	-1	Zero	+2
<b>16</b> <b>(c)</b> <small>(2015)</small>	Which one of the following is used for the production of sodium metal:	Galvanic cell	Nelson's cell	Downs cell	Electroplating
<b>17</b> <b>(c)</b> <small>(2016)</small>	The oxidation number of Mn in KMnO <sub>4</sub> is:	+2	+3	+7	+6
<b>18</b> <b>(b)</b> <small>(2016)</small>	During electroplating of chromium, the electrolyte which is used in electrolytic cell is:	CrCl <sub>3</sub>	Cr <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	CuSO <sub>4</sub>	NiSO <sub>4</sub>
<b>19</b> <b>(d)</b> <small>(2016)</small>	Anode of down's cell is made of:	Steel	Copper	Calcium	Carbon
<b>20</b> <b>(d)</b> <small>(2017)</small>	Depositing of one metal over the other by means of electrolysis:	Corrosion	Reduction	Oxidation	Electroplating
<b>21</b> <b>(c)</b> <small>(2017)</small>	Electrochemistry is branch of chemistry which deals with relationship between:	Carbon and its compounds	Solute and solutions	Electricity and chemical reactions	Metals and non-metals



Sr. #	Questions	A	B	C	D
<b>1 (d) (2016) (2016)</b>	Metals can form ions carrying charges?	Uni-positive	Di-positive	Tri-positive	All of them
<b>2 (d) (2016) (2018)</b>	Which one of the following metal burns with a brick red flame?	Sodium	Magnesium	Iron	Calcium
<b>3 (b)</b>	Sodium is extremely reactive metal, but it does not react with:	Hydrogen	Nitrogen	Sulphur	Phosphorus
<b>4 (c)</b>	Which one of the following lightest metal?	Calcium	Magnesium	Lithium	Sodium
<b>5 (b)</b>	Pure alkali metals can be cut simply by knife but iron cannot because of alkali metals have:	Strong metallic bonding	Weak metallic bonding	Non-metallic bonding	Moderate metallic bonding
<b>6 (a) (2017)</b>	Which of the following is less malleable?	Sodium	Iron	Gold	Silver
<b>7 (c)</b>	Metals lose their electrons easily because:	They are electronegative	They have electron affinity	They are electropositive	Good conductors
<b>8 (c)</b>	Which one of the following is brittle?	Sodium	Aluminium	Selenium	Magnesium
<b>8.1 (a)</b>	Which one of the following non-metal is lustrous?	Sulphur	Phosphorus	Iodine	Carbon
<b>9 (c)</b>	Non-metals are generally soft, but which one of the following is extremely hard?	Graphite	Phosphorus	Iodine	Diamond

**11  
(d)  
(2016)**

Which one of the following will not react with dilute HCl?

Sodium

Potassium

Calcium

Carbon

**12  
(d)  
(2014)**

Which one is used in coin making?

Lead

Iron

Zinc

Silver

**13  
(d)  
(2014)**

The least conductor of heat is?

Iron

Gold

Silver

Lead

**14  
(d)  
(2014)**

Which of the following has the highest electronegativity?

Iodine

Bromine

Chlorine

Fluorine

**15  
(b)  
(2014)  
(2017)**

Transition elements are?

All gases

All metals

All metalloids

All non-metals

**16  
(c)  
(2014)**

The most reactive metal is?

Iron

Gold

Cesium

Aluminium

**17  
(c)  
(2015)**

Which metal is more malleable?

Sodium

Iron

Gold

Silver

**18  
(e)**

Melting point of sodium is:

100 °C

496 °C

97 °C

650 °C

**19  
(f)**

One gram of which metal can be drawn into wire of one and half kilometer long.

Calcium

Iron

Gold

Silver