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المملكة العربية السعودية وزارة التعليم العالي

# بثك الأسئلة في مقرر الكيمياء العامة (101-كيم) 

## (Chem-101- Chapter 1)



## بنك الأسئلة في مقرر الكيمياء العامةة (101-كيم)

15 A gas occupies 12 L under a pressure of 1.2 atm , What is the volume if the pressure was increased to 2.4 atm ?
A $\quad 6 \mathrm{~L}$
(B) 12 L
C 3 L

16 A gas occupies 10 L under a pressure of 1.2 atm , What is the pressure if the volume was decreased to 5 L ?

| A | 0.6 atm |
| :--- | :--- |

|B 1.2 atm
C| 2.4 atm

17 How many molecules in 64 grams of oxygen gas $\mathrm{O}_{2}(\mathrm{O}=16)$ are there in a sample at STP?
A $\quad 6.02 \times 10^{23}$
B $\quad 3.01 \times 10^{23}$
C $12.04 \times 10^{23}$

18 Calculate the density of $\mathrm{NO}_{2}$ gas $(\mathrm{N}=14, \mathrm{O}=16)$, at 1.24 atm and $50^{\circ} \mathrm{C}$ ?
A $\quad 2.32 \mathrm{~g} / \mathrm{L}$
B $2.5 \mathrm{~g} / \mathrm{L}$
C| $3 \mathrm{~g} / \mathrm{L}$

19 What is the partial pressure of $\mathrm{CO}_{2}$ gas in a mixture of $\mathrm{N}_{2}, \mathrm{O}_{2}$ and $\mathrm{CO}_{2}$ gases? If the total pressure of the mixture is 1.2 atm .

| A | 0.3 atm |
| :--- | :--- |

B 0.6 atm
C| 0.2 atm

20 A mixture of 2 moles of $\mathrm{O}_{2}$ gas, 3 moles of $\mathrm{N}_{2}$ gas and 1 mole of $\mathrm{CO}_{2}$ gas has total pressure is 1.2 atm . What is the partial pressure of $\mathrm{O}_{2}$ gas?
A $\quad 0.4 \mathrm{~atm}$
B 0.6 atm
C| 0.2 atm

21 Avogadro's Law is relation between ...

| $\mathbf{A}$ | $\begin{array}{l}\mathrm{V} \text { and } \mathrm{n} \text { at constant } \\ \mathrm{P}, \mathrm{T}\end{array}$ |
| :--- | :--- |

B
T and n at constant
$\mathrm{P}, \mathrm{V}$
$\mathrm{C} \left\lvert\, \begin{aligned} & \mathrm{V}, \mathrm{T}\end{aligned} \mathrm{P}\right.$ at constant
$22 \mathrm{SF}_{6}$ is a gas used in modification of eyes. If 2.5 g of this gas introduced in evacuated 500 ml container at $83^{\circ} \mathrm{C}$ What is the pressure in atmosphere?
A 992 atm
B 0.992 atm
C 9.92 atm

23 Which of the following is not a common state of matter under ambient conditions?
A solid
B liquid
C plasma

24 A solid can be referred to as having A $\left.$| indefinite volume |
| :--- | :--- | :--- | :--- | :--- |
| and definite shape |\(~ \mathbf{B} \begin{aligned} \& indefinite shape <br>

\& and definite <br>
\& volume\end{aligned} \quad \mathbf{C} \right\rvert\, $$
\begin{aligned} & \text { definite volume and } \\
& \text { definite shape }\end{aligned}
$$\)
25 The pressure of a sample of helium in a 1.0 L container is 0.857 atm . What is the new pressure if the sample is placed in a 0.5 L container? (Assume the temperature is constant.)

| A | 0.143 atm |
| :--- | :--- |

B 0.429 atm
C 1.71 atm


## بنك الأسئلةّة في مقرر الكيمياء العامةة (101-كيم)

| 26 | A 0.5-L container of nitrogen gas is heated under constant pressure to the boiling point of water. What is its new volume? |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | A | 0.5 L | B | 0.63 L |  | 0.79 L |
| 27 | Ho | can gases be defined <br> a physical state of matter that does not have a fixed shape or a fixed volume | B | a physical state of matter that does not have a fixed shape but has a fixed volume | C | a physical state of matter that has a fixed volume and a fixed shape |
| 28 | How can the relationship between a gas at two sets of conditions be expressed mathematically by Boyle's law? |  |  |  |  |  |
| 2 | A gas occupies a volume of 1.0 L at 1.0 atm pressure. What is the pressure when the gas expands to fill 2.0 L ? |  |  |  |  |  |
| 3 | A gas occupies a volume of 1.0 L at $25^{\circ} \mathrm{C}$. What volume will the gas occupy at $100^{\circ} \mathrm{C}$ ? |  |  |  |  |  |

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## بنك الأسئلة في مقرر الكيمياء العامة (101-كيم)

## (Chem 101 - Chapter 2)

| Ques. no. | Questions |  |  |
| :---: | :---: | :---: | :---: |
| 1 | The resistance of flow of a A wetting | a liquid is B viscosity | C surface tension |
| 2 | The force that decreases th A wetting | the surface a B viscosity | uid surface tension |
| 3 | The forces bind the liquid molecules together |  |  |
| 4 | The forces bind liquid mo A cohesion | olecules and <br> B adhesion | attraction |
| 5 | If adhesion forces > the cohesion forces |  |  |
| 6 | The temperature at which V A wetting | Vapor pressur <br> B boiling | = outside pressure <br> C evaporation |
| 7 | The viscosity .......... with $\mathbf{A}$ increases | h increasing B decreases | not affect |
| 8 | The viscosity of a liquid is measured by ....... |  | C Viscometer |
| 9 | Conversion of liquid to ga <br> A wetting | as state is B boiling | C\| evaporation |
| 10 | At lower pressure, water $\mathbf{A} \mid>100^{\circ} \mathrm{C}$ | $\begin{array}{l\|l\|} \hline \text { boills at } \ldots \ldots . . \\ \hline \end{array}<100^{\circ} \mathrm{C}$ | $100^{\circ} \mathrm{C}$ |
| 11 | The relative viscosity of a liquid its density $=0.92 \mathrm{gm} / \mathrm{cm} 3$ and the flow time of this liquid $=3 \mathrm{~min}$. The flow time of the same quantity of water at the same temperature $=1$ min.? (water density $=1 \mathrm{gm} / \mathrm{cm} 3$ ) |  |  |
| 12 | The highest of a liquid in a capillary tube with radius 0.05 cm . The density of the liquid is $0.82 \mathrm{gm} / \mathrm{cm} 3$. and its surface tension is 68 dyne $/ \mathrm{cm}$ ? |  |  |



## بنك الأسئلةّة في مقرر الكيمياء العامة (101-كيم)

| 13 |  | molecules in a liqu <br> Closer together than in a solid and further apart than in a gas. | B | are spaced the same as in solids and gases | $\mathbf{C}$ | closer than in gases but further apart than in solids |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14 | The force that holds molecules in a liquid together is called |  |  |  |  |  |
| 15 | The process of molecules of a liquid going from the surface of a liquid into the air is |  |  |  |  |  |

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## بنك الأسئلة في مقرر الكيمياء العامة (101-كيم)

## (Chem 101- Chapter 3)



3 For the reaction, $\mathrm{H}_{2}(\mathrm{~g})+\mathrm{I}_{2}(\mathrm{~g}) \rightleftharpoons 2 \mathrm{HI}(\mathrm{g})$
A $K p=\kappa c$
B $\mathrm{Kp}>\mathrm{K}$
C $\mathrm{Kp}<\mathrm{Kc}$

4 Increasing temperature shifts the $\left(\mathrm{C}+\mathrm{O}_{2} \rightleftharpoons \mathrm{CO}_{2}+\right.$ Heat $)$
A Right
B Left
C No effect

5 Increasing temperature shifts the ( $\mathrm{A}+\mathrm{B}-$ Heat $\rightleftharpoons \mathrm{C}$ )
A Right
B Left
C No effect

6 Increasing pressure shifts the $\left(\mathrm{N}_{2}(\mathrm{~g})+2 \mathrm{O}_{2}(\mathrm{~g}) \rightleftharpoons 2 \mathrm{NO}_{2}(\mathrm{~g})\right)$
A Right
B Left
C No effect

7 Increasing pressure shifts the $\left(\mathrm{H}_{2}(\mathrm{~g})+\mathrm{I}_{2}(\mathrm{~g}) \rightleftharpoons 2 \mathrm{HI}(\mathrm{g})\right)$
A Right
B Left
C| No effect

8 Increasing pressure shifts the ( $\left.3 \mathrm{H}_{2}(\mathrm{~g})+\mathrm{N}_{2}(\mathrm{~g}) \rightleftharpoons 2 \mathrm{NH}_{3}(\mathrm{~g})\right)$
A Right
B Left
C No effect

9 Adding more $\mathrm{H}_{2}$ gas shifts the ( $\left.3 \mathrm{H}_{2}(\mathrm{~g})+\mathrm{N}_{2}(\mathrm{~g}) \rightleftharpoons 2 \mathrm{NH}_{3}(\mathrm{~g})\right)$
A Right
B Left
C No effect

10 Adding more $\mathrm{Cl}_{2}$ gas shifts the $\left(\mathrm{PCl}_{3}(\mathrm{~g})+\mathrm{Cl}_{2}(\mathrm{~g}) \rightleftharpoons \mathrm{PCl}_{5}(\mathrm{~g})\right)$
A Right
B Left
C No effect

11 Adding more $\mathrm{O}_{2}$ gas shifts the ( $2 \mathrm{CO}(\mathrm{g})+\mathrm{O}_{2}(\mathrm{~g}) \rightleftharpoons 2 \mathrm{CO}_{2}(\mathrm{~g})$ )
A Right
B Left
C No effect

12 Remove $\mathrm{NH}_{3}$ gas shifts the $\left(3 \mathrm{H}_{2}(\mathrm{~g})+\mathrm{N}_{2}(\mathrm{~g}) \rightleftharpoons 2 \mathrm{NH}_{3}(\mathrm{~g})\right)$
A Right
B Left
C No effect

13 Equilibrium constant of $\left(3 \mathrm{H}_{2}(\mathrm{~g})+\mathrm{N}_{2}(\mathrm{~g}) \rightleftharpoons 2 \mathrm{NH}_{3}(\mathrm{~g})\right)$
A $\frac{\left[\mathrm{NH}_{3}\right]^{2}}{\left[\mathrm{~N}_{2}\right]^{1} \times\left[H_{2}\right]^{3}}$
( $\left\lvert\, \frac{\left[\mathrm{NH}_{3}\right]^{1}}{\left[\mathrm{~N}_{2}\right]^{\times} \times\left[\mathrm{H}_{2}\right]^{2}}\right.$
$\mathbf{C} \left\lvert\, \frac{\left[N_{2}\right]^{2} \times\left[H_{2}\right]^{3}}{\left[N H_{3}\right]^{2}}\right.$

14 Equilibrium constant of $\left(2 \mathrm{CO}(\mathrm{g})+\mathrm{O}_{2}(\mathrm{~g}) \rightleftharpoons 2 \mathrm{CO}_{2}(\mathrm{~g})\right.$
A $\frac{\left[\mathrm{CO}_{2}\right]^{2}}{\left[\mathrm{O}_{2}\right]^{2} \times\left[\mathrm{CO}^{2}\right.}$
B $\frac{\left[\mathrm{CO}^{2}\right.}{\left[\mathrm{O}_{2}\right]^{\mathrm{x}} \times\left[\mathrm{CO}_{2}\right]^{1}}$
C $\frac{\left[\mathrm{O}_{2}\right]^{1} \times[\mathrm{CO}]^{2}}{\left[\mathrm{CO}_{2}\right]^{2}}$

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## بنك الأسئلة في مقرر الكيمياء العامة (101-كيم)

| 15 | Factors effect on the reaction equilibrium. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16 | Factors effect on the reaction equilibrium. |  |  |  |  | Concentration |
| 17 |  | ation betwe $\mathrm{K}_{\mathrm{c}}=\mathrm{K}_{\mathrm{c}}(\mathrm{RT})^{\Delta \mathrm{n}}$ | Relation between $K^{\prime}$ and $K_{c}$ |  |  | $\mathrm{K}_{\mathrm{p}}=\mathrm{K}_{\mathrm{c}}(\mathrm{RT})^{\Delta \mathrm{n}}$ |

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## بثك الأسئلة في مقرر الكيمياء العامة (101-كيم)

## (Chem 101- Chapter 4)




## بنك الأسئلة في مقرر الكيمياء العامة (101-كيم)

15 The pH of a solution contains $0.05 \mathrm{M} \mathrm{H}^{+}$concentration
A 5
B 1.3

| C | 3.1 |
| :--- | :--- |

16 The pH of a solution contains $0.05 \mathrm{M} \mathrm{OH}^{-}$concentration
A 1.3
B 12.7
C| 3.1

17 The pH of $0.01\left(10^{-2}\right) \mathrm{M} \mathrm{HCl}$ solution
$\mathbf{A} \mid 2$

| $\mathbf{B}$ | 4 |
| :--- | :--- |

C| 6

18 The pOH of 0.02 M HCl solution
A 1.69
B 12.3
C 2.0

19 The pH of 0.02 M NaOH solution
A 1.69

|  | $\mathbf{B}$ |
| :--- | :--- |
| 12.3 |  |

C 2.0

20 The pOH of 0.01 M Acetic acid $\left(\mathrm{K}_{\mathrm{a}}=10^{-4}\right)$
A 3
B 5
C 11

21 The pH of $0.001 \mathrm{M} \mathrm{NH} 4 \mathrm{OH}\left(\mathrm{K}_{\mathrm{b}}=10^{-5}\right)$
A 4

|  | $\mathbf{B}$ | 10 |
| :--- | :--- | :--- |

C| 5

22 The pH of $(0.2 \mathrm{M}$ acetic +0.3 M sodium acetate $)\left(\mathrm{K}_{\mathrm{a}}=10^{-4}\right)$
A 4.1
B 7.5
C| 11

23 Concentration of $\mathrm{Ag}^{+}$in saturated AgCl solution $\left(\mathrm{K}_{\text {sp }}=10^{-8}\right)$
A $10^{-8}$
B $10^{-4}$
C $10^{-2}$

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## بنك الأسئلةّة في مقرر الكيمياء العامة (101-كيم)

(Chem 101- Chapter 5)

| Ques. | Questions |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | The sum of protons + neutrons $=\ldots \ldots \ldots$ <br> $\mathbf{A} \mid$ isotope $\quad\|\mathbf{B}\|$ atomic number $\quad \mathbf{C} \mid$ atomic weight |  |  |  |  |
| 2 | Atomic number of element is the number of <br> A protons <br> B ${ }^{\text {neutrons }}$ <br> electrons |  |  |  |  |
| 3 | Atomic number of Sodium $\left({ }^{23} \mathrm{Na}_{11}\right)$ is the number of <br> A 11 <br> B 23 <br> 12 |  |  |  |  |
| 4 | Number of neutrons in Iron $\left({ }^{56} \mathrm{Fe}_{26}\right)$ is ................ <br> A 26 <br> \|B 56 <br> C 30 |  |  |  |  |
| 5 | The different atoms of oxygen ${ }^{16} \mathrm{O}_{8},{ }^{17} \mathrm{O}_{8}$ and ${ }^{18} \mathrm{O}_{8}$ are <br> A isobar <br> $\mathbf{B}$ isotope <br> isomersim |  |  |  |  |
| 6 | In Rutherford experiment "A beam of ....... was directed to thin sheet of gold" <br> A $\propto$-particles <br> B <br> $\beta$-particles <br> C\| $\gamma$-ray |  |  |  |  |
| 7 | In Rutherford experiment " ......... of the beam passed through thin sheet of gold" <br> A $95 \%$ <br> B <br> $5 \%$ <br> C\| 0.001 \% |  |  |  |  |
| 8 | In Rutherford experiment "........ of the beam were deflected through thin sheet of gold" <br> A <br> $95 \%$ <br> B $5 \%$ <br> C $0.001 \%$ |  |  |  |  |
| 9 | In Rutherford experiment " ......... of the beam were reflected from thin sheet of gold" <br> A $95 \%$ <br> \| $\mathbf{B} \mid 5 \%$ <br> C\| $0.001 \%$ |  |  |  |  |
| 10 | A $\left\|\begin{array}{l}\text { Rutherford Theory stated that: } \\ \text { electrons revolves of } \\ \text { around the positive } \\ \text { nucleus. }\end{array}\right\| \mathbf{B}\left\|\begin{array}{l}\text { There is a large } \\ \text { empty space inside } \\ \text { the atom. }\end{array}\right\|$ |  |  |  | Both A \& B are correct. |
| 11 | Bohr Theory stated that: A $\left\|\begin{array}{lr}\text { The electron is } \\ \text { controlled } & \text { by } \\ \text { attraction } & \text { force } \\ \text { with the nucleus. }\end{array}\right\|$ |  | The electron is controlled by centrifugal force due to its revolving | C | Both A \& B are correct. |

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## بثك الأسئلة في مقرر الكيمياء العامة (101-كيم)

12 Lyman group of H -spectrum is electron falls from upper levels to
A one
B
C three

13 Bfund group of H-spectrum is electron falls from upper levels to
A three
B four
$\mathbf{C}$ five

14
The $\qquad$ quantum number, $[n=1,2,3,4, \ldots]$

| $\mathbf{A}$ | principal | $\mathbf{B}$ | angular | $\mathbf{C}$ | magnetic |
| :--- | :--- | :--- | :--- | :--- | :--- |

15 The $\qquad$ quantum nu
A
principal
B angular
C magnetic

16 The $\qquad$ quantum number, $[m=I, \ldots, 0, \ldots, /]$
A principal
B angular
$\mathbf{C}$ magnetic

17 No two electrons in an atom may have identical sets of four quantum numbers.
A $\mid$ Pauli Exclusion
B Hand's rule
C Bohr's rule

18 For electron in 3p the value of quantum numbers are:
\(\left.\mathbf{A}\left|$$
\begin{array}{l}\mathrm{n}=3, I=2, \mathrm{~m}= \\
+2,+1,0,-1,-2, \mathrm{~S}= \pm \\
1 / 2\end{array}
$$\right| \mathbf{B}\left|\begin{array}{l}\mathrm{n}=3, I=1, \mathrm{~m} <br>

+1,0,-1, S= \pm 1 / 2\end{array}\right| \mathbf{C} \right\rvert\,\)| $\mathrm{n}=2, I=0, m=0$, |
| :--- |
| $S= \pm 1 / 2$ |

19 Electrons occupy all the orbitals of a given sub-shell singly before pairing begins
A Pauli Exclusion
B Hind's rule
C Bohr's rule

20 The electronic configuration of $\mathrm{Ni}_{28}$
$\mathbf{A} \left\lvert\, \begin{aligned} & 1 \mathrm{~s}^{2}, 2 \mathrm{~s}^{2}, 2 \mathrm{p}^{6}, 3 \mathrm{~s}^{2}, \\ & 3 \mathrm{p}^{6}, 3 \mathrm{~d}^{10}\end{aligned}\right.$

| $\mathbf{B}$ | $\begin{array}{l}1 \mathrm{~s}^{2}, 2 \mathrm{~s}^{2}, 2 \mathrm{p}^{6}, 3 \mathrm{~s}^{2}, \\ 3 \mathrm{p}^{6}, 4 \mathrm{~s}^{4}, 3 \mathrm{~d}^{8}\end{array}$ |
| :--- | :--- |

C $\begin{aligned} & 1 \mathrm{~s}^{2}, \\ & 3 \mathrm{p}^{6}, 4 \mathrm{~s}^{2}, 3 \mathrm{~d}^{8}\end{aligned}, 2 \mathrm{~s}^{6}, 3 \mathrm{~s}^{2}$,

21
A $1 \mathrm{~s}^{2}, 2 \mathrm{~s}^{2}, 2 \mathrm{p}^{6}, 3 \mathrm{~s}^{1}$
$\mathbf{B} \left\lvert\, \begin{aligned} & 1 \mathrm{~s}^{2}, 2 \mathrm{~s}^{2}, 2 \mathrm{p}^{6}, 3 \mathrm{~s}^{2}, \\ & 3 \mathrm{p}^{6}, 4 \mathrm{~s}^{2}, 3 \mathrm{~d}^{3}\end{aligned}\right.$
$\mathbf{C} \left\lvert\, \begin{aligned} & 1 \mathrm{~s}^{2}, 2 \mathrm{~s}^{2}, 2 \mathrm{p}^{6}, 3 \mathrm{~s}^{2}, \\ & 3 \mathrm{p}^{6}, 4 \mathrm{~s}^{2}, 4 \mathrm{p}^{3}\end{aligned}\right.$

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## (Chem 101- Chapter 6)

| Ques. no. | Questions |  |
| :---: | :---: | :---: |
| 1 | The energy required to remove electron fr A affinity <br> $\|\mathbf{B}\|$ ionization | C negativity |
| 2 | Modern periodic Table's arrangement of the elements according to atomic |  |
| 3 | The rows of the periodic table are <br> $\mathbf{A}$ groups <br> B periods <br> blocks |  |
| 4 | The columns of the periodic table are <br> A groups <br> B periods <br> blocks |  |
| 5 | In periodic table's groups, atomic size increases <br> A up to down <br> B down to up <br> left to right |  |
| 6 | In periodic table's groups, metallic properties increases <br> A up to down <br> B <br> down to up <br> C left to right |  |
| 7 | In periodic table's periods, metallic properties increases A up to down <br> B right to left <br> C left to right |  |
| 8 | In periodic table's groups, ionization energy increases <br> A up to down <br> B <br> down to up <br> C left to right |  |
| 9 | Mendeleev arranged the elements by increasing <br> A atomic weight <br> B Atomic number <br> C electrons |  |
| 10 | The elements are arranged in periodic table based on A atomic weight <br> B <br> Atomic number <br> electrons |  |
| 11 | Periodic Table is classified into       <br> $\mathbf{A} \mid$ four blocks $\mathbf{B} \mid$ three blocks $\mathbf{C} \mid$ five blocks     |  |
| 12 | Periodic Table consists of seven        <br> A $\mid$ rows $\mathbf{B} \mid$ groups C columns     |  |
| 13 | Periodic Table consists of 18    <br> $\mathbf{A} \mid$ rows $\mathbf{B} \mid$ groups C $\mid$ periods  |  |
| 14 | On descending a group, size of the atoms   <br> $\mathbf{A} \mid$ increases $\mathbf{B} \mid$ decrease $\mathbf{C} \mid$ not changed |  |
| 15 | On ascending a group, ionization energy <br> A increases <br> decrease |  |

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## بثك الأسئلة في مقرر الكيمياء العامة (101-كيم)

16 From left to right in the period, ionization energy
A increases
B decrease
C not changed

17 On ascending a group, electron affinity
A increases
B decrease
C not changed

18 From left to right in the period, electron affinity
A increases
B decrease
C not changed

19 On ascending a group, metallic properties
$\mathbf{A} \mid$ increases
B decrease
C| not changed

20 From left to right in the period, metallic properties
A
increases
B decrease
C not changed

From Periodic Table Complete the following:


21 Sr38.......... I53 in atomic size.
A $<$
$|\mathbf{B}|>$
$C=$

22 Ca20.......... Br35 in Ionization energy.
A $\mid<$
|B $\mid>$
$C=$
$23 \mathrm{Mg}_{12} \ldots . . . . \mathrm{Ba}_{56}$ in Metallic properties.
A $<$
B
$C=$

24 The bond between $\mathrm{Mg}_{12}$ and $\mathrm{Cl}_{17}$ in $\mathrm{MgCl}_{2}$ is . ........
A ionic
B covalent
C metallic

25 The bond between C and O in $\mathrm{CO}_{2}$ is
A 0.143 atm
B 0.429 atm
C| 1.71 atm

26 Sharing electron pairs between two atoms .... Bond
$\mathbf{A}$ ionic
$\mathbf{B}$ covalent
C metallic


## بنك الأسئلةّة في مقرر الكيمياء العامةة (101-كيم)

| 27 | Electrostatic attraction of between metal and non-metal ions |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | A | ionic | B | covalent |  | metallic |
| 28 | All the ionic compounds are |  |  |  |  |  |
| 29 |  | the ionic $>400^{\circ} \mathrm{C}$ | hay | e melting $<400^{\circ} \mathrm{C}$ | All the ionic compounds have melting point | $=400^{\circ} \mathrm{C}$ |
| 30 | All the ionic compounds are soluble in |  |  |  |  | hexane |
| 31 | Molten covalent compounds are ........ conduct electricity |  |  |  |  |  |
| 32 | Solutions of covalent compounds are ... conduct electricity |  |  |  |  |  |
| 33 | Ionic compounds are formed between metal and ....... |  |  |  |  |  |
| 34 |  | alent com metal | \|B | med betw mineral | Covalent compounds are formed between non-metal and ... | land ... non-metal |
| 35 | All | $\begin{gathered} \text { covalent } \\ >300^{\circ} \mathrm{C} \end{gathered}$ | ha | $\begin{aligned} & \hline \text { e melting II } \\ & <300^{\circ} \mathrm{C} \end{aligned}$ | All covalent compounds have melting point | $=300^{\circ} \mathrm{C}$ |

