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Multiple Choice Questions (MCQs)
(for 3rd Term)
CLASS: VIII
SUBJECT: CHEMISTRY

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Chapter – 8

- Question 1) Which of the following is the solid state of water?
(a) water vapours (b) clouds (c) fog (d) snow
- Question 2) How much percent of the earth's surface is covered with water?
(a) 78% (b) 71% (c) 5% (d) 50%
- Question 3) Water is a _____
(a) mixture (b) element (c) compound (d) none of these
- Question 4) Water is useful for _____
(a) for agriculture (b) industrial purpose (c) domestic purpose (d) all of these
- Question 5) Which kind of mixture water is?
(a) homogeneous (b) heterogeneous (c) both a and b (d) none of these
- Question 6) Water is represented by the formula
(a) H₃O (b) H₂O (c) ClCl₃ (d) H₂S
- Question 7) The boiling point of water is _____
(a) 50°C (b) 100°C (c) 150°C (d) none of these
- Question 8) What is the freezing point of water?
(a) 0°C (b) 100°C (c) 18°C (d) 12°C
- Question 9) Which of the following process is used for the separation of constituents of water?
(a) Filtration (b) Distillation (c) Electrolysis (d) none of these
- Question 10) The composition of water is _____
(a) 2 atoms of hydrogen and 2 atoms of oxygen
(b) 3 atoms of hydrogen only
(c) 1 hydrogen atom and 1 oxygen atom
(d) 2 hydrogen atoms and 1 oxygen atom
- Question 11) Which kind of water is a good conductor of electricity.
(a) pure water (b) impure water (c) both a and b (d) none of these
- Question 12) When cold water reacts with potassium, it results in the formation of _____.
(a) Potassium hydride (b) Potassium hydroxide (c) Potassium iodide (d) none of these
- Question 13) What is formed, when sodium is dropped in a trough of water _____
(a) Sodium hydroxide (b) hydrogen (c) both a and b (d) none of these
- Question 14) What is formed, when the metals react with steam _____
(a) metal oxide (b) hydrogen (c) both a and b (d) none of these
- Question 15) When non-metallic oxide react with water, they form _____
(a) oxides (b) hydroxides (c) acids (d) none of these
- Question 16) Water and sugar together form a _____
(a) solution (b) solvent (c) solute (d) none of these
- Question 17) The homogeneous mixture of two or more substances in relative amounts is called _____.
(a) colloidal solution (b) suspension (c) saturated (d) true solution
- Question 18) A mixture of substances where substances are evenly distributed but not completely dissolved in water is called _____.
(a) True solution (b) suspension (c) colloidal (d) saturated solution
- Question 19) This type of solution is a mixture of substances are forced to dissolve uniformly.
(a) True solution (b) colloidal solution (c) suspension (d) saturated
- Question 20) The type of solution in which no more solute can be dissolved at given temperature _____.
(a) True solution (b) suspension (c) saturated solution (d) colloidal
- Question 21) It is the solution in which more of the solute can be dissolved at a given temperature _____.
(a) True solution (b) saturated solution (c) suspension (d) unsaturated solution
- Question 22) It is the type of solution that contains more solute than it can actually contain at a given temperature
(a) saturated (b) unsaturated (c) supersaturated (d) suspension
- Question 23) Important factors that affect the rate of solubility of a substance in a solvent _____.
(a) particle size (b) temperature (c) stirring (d) all of these
- Question 24) A glistening particles having definite geometrical particles having shape is called _____.
(a) salt (b) crystal (c) hydrated salt (d) none of these
- Question 25) Which of the following is the chemical formula of copper sulphate crystal?
(a) CuSO₄ . 5H₂O (b) Na₂CO₃ . 10H₂O (c) CaSO₄ . 2H₂O (d) FeSO₄ . 7H₂O

Chapter – 9

- Question 1) In free, state, carbon is found in _____.
(a) diamond (b) graphite (c) coal (d) all of these
- Question 2) Which one of the following is an example of hydrocarbon?
(a) limestone (b) marble (c) petrol (d) none of these
- Question 3) Which of the following is the source of carbon?
(a) graphite (b) marble (c) proteins (d) all of these
- Question 4) Compound that essentially contains carbon to be _____.
(a) organic (b) inorganic (c) both a and b (d) none of these
- Question 5) Compounds that do not contain carbon are called _____.
(a) organic (b) inorganic (c) both a and b (d) none of these

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- Question 6) Which of the following is an inorganic compound?
 (a) Alcohol (b) acid (c) sugar (d) zinc carbonate
- Question 7) Which of the following is an organic compound?
 (a) carbon monoxide (b) carbon dioxide (c) sodium carbonate (d) hydrocarbons
- Question 8) Methane is an example of ____
 (a) alcohol (b) acid (c) sugar (d) hydrocarbon
- Question 9) Carbon monoxide is an example of ____
 (a) inorganic compound (b) hydrocarbon (c) organic compound (d) none of these
- Question 10) Which of the following is a crystalline form of carbon?
 (a) Diamond (b) coal (c) wood charcoal (d) coke
- Question 11) Which of the following is an amorphous form of carbon?
 (a) coal (b) diamond (c) graphite (d) none of these
- Question 12) Which of the following is the purest form of carbon?
 (a) diamond (b) coal (c) wood charcoal (d) coke
- Question 13) Which of the following form of carbon is grayish black substance?
 (a) Diamond (b) graphite (c) coal (d) none of these
- Question 14) Which of the following is the property of graphite?
 (a) dark grey shiny (b) colourless (c) lubricant (d) none of these
- Question 15) Which of the following is the property of carbon dioxide?
 (a) colourless (b) tasteless (c) odourless (d) all of these
- Question 16) When CO₂ gas under pressure is allowed to escape through the nozzle, it converts into a white, soft, snow like solid material called ____
 (a) ice (b) dry ice (c) diamond (d) none of these
- Question 17) Carbon-dioxide is a ____
 (a) combustible (b) non-combustible (c) both a and b (d) none of these
- Question 18) Carbon-dioxide is prepared in the laboratory with the help of ____
 (a) calcium carbonate (b) hydrochloric acid (c) both a and b (d) none of these
- Question 19) Hydrocarbon reacts with the oxygen to form ____
 (a) carbon monoxide (b) carbon (c) water (d) all of these
- Question 20) A social welfare scheme (Pradhan Manti Ujjala Yojana) was launched by ____
 (a) Narendra Modi (b) Atal Bihari Bajpai (c) Mahatma Gandhi (d) none of these
- Question 21) Which of the following is the characteristic of carbon monoxide?
 (a) colourful (b) odourless (c) poisonous (d) none of these
- Question 22) Which of the following is the Hazardness of carbon monoxide?
 (a) dizziness (b) nausea (c) unconsciousness (d) all of these
- Question 23) Which gas is used in the preparation of phosgene?
 (a) carbon-dioxide (b) carbon monoxide (c) oxygen (d) none of these
- Question 24) The extreme condition is caused by lack of oxygen and excess of carbon dioxide in the blood, called
 (a) Typhoid (b) Asphyxia (c) Tuberculosis (d) none of these
- Question 25) When carbon monoxide burns, it gives a blue coloured flame of ____
 (a) carbon dioxide (b) hydrogen sulphide (c) carbon sulphide (d) none of these
- Question 26) Carbon reacts with carbon dioxide at temperature of 1300°C form ____
 (a) carbon monoxide (b) carbon sulphide (c) both a and b (d) none of these

