

## PPSC Chemistry Full Book Test

| Sr | Questions                                                                                                                                                                                                            | Answers Choice                                                                                                                                                                                                                                                  |
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| 1  | In reverse phase chromatography which of the analyte will be retained more on the stationary phase.                                                                                                                  | A. Semi polar<br>B. Non polar<br>C. Polar<br>D. None of the above                                                                                                                                                                                               |
| 2  | In quantum theory, which of the following tells us that the prediction of quantum mechanics must pass smoothly into those of classical mechanics as we progress in a continuous way from microscopic to macroscopic. | A. Uncertainty principle<br>B. Correspondence principle<br>C. Probability distribution<br>D. Aufbau principle                                                                                                                                                   |
| 3  | A process in which no heat enters leaves the system is called.                                                                                                                                                       | A. Isochoric<br>B. Isobaric<br>C. Adiabatic<br>D. Reversible                                                                                                                                                                                                    |
| 4  | Which of the following statements regarding phenols is not correct.                                                                                                                                                  | A. Phenol is stronger acids than water and alcohols.<br>B. Phenol are weaker acids than carboxylic acids<br>C. Phenol are soluble in both aqueous NaOH and aqueous sodium hydrogen carbonate<br>D. Phenoxide ions are more stable than the corresponding phenol |
| 5  | The volume of given mass of gas at constant pressure is directly proportional to the absolute temperature. This is a statement of.                                                                                   | A. Charles's law<br>B. Boyle's law<br>C. Avogadro's law<br>D. Dalton's law                                                                                                                                                                                      |
| 6  | Layer of the C -atom in graphite are held together by                                                                                                                                                                | A. Covalent bonds<br>B. Free electrons<br>C. Ionic bond<br>D. Van Der Waals forces                                                                                                                                                                              |
| 7  | The formula of sulphur trioxide                                                                                                                                                                                      | A. SO <sub>4</sub><br>B. S <sub>2</sub> O <sub>7</sub><br>C. S <sub>2</sub> O <sub>3</sub><br>D. SO <sub>3</sub>                                                                                                                                                |
| 8  | Carbon in wrought iron is present as                                                                                                                                                                                 | A. Silicon carbide<br>B. Iron carbide cementite<br>C. Graphite<br>D. Partly as iron carbide and partly as graphite                                                                                                                                              |
| 9  | In nature nickel is found in the form of.                                                                                                                                                                            | A. Sulphides<br>B. Silicates<br>C. Arsenides<br>D. All                                                                                                                                                                                                          |
| 10 | The electronic configuration of some elements are given below. The element with highest electron affinity is                                                                                                         | A. 1s <sup>2</sup> , 2s <sup>2</sup> , 2p <sup>3</sup><br>B. 1s <sup>2</sup> , 2s <sup>2</sup> , 2p <sup>4</sup><br>C. 1s <sup>2</sup> , 2s <sup>2</sup> , 2p <sup>5</sup><br>D. 1s <sup>2</sup> , 2s <sup>2</sup> , 2p <sup>6</sup>                            |
| 11 | In a system of designating wrought aluminum alloys a four digit number is used what does the first digit indicate.                                                                                                   | A. The purity of aluminum<br>B. The identity of the alloy<br>C. The alloy group<br>D. All of above                                                                                                                                                              |
| 12 | Aluminum is usually extracted from                                                                                                                                                                                   | A. Bauxite<br>B. Corundum<br>C. Feldspar<br>D. Alumite                                                                                                                                                                                                          |
| 13 | In urea the amount of nitrogen is                                                                                                                                                                                    | A. 82.0%<br>B. 46.0%<br>C. 33.0%<br>D. 21.0%                                                                                                                                                                                                                    |
| 14 | Which of the following is not a characteristic of terpenoids.                                                                                                                                                        | A. They are pleasant smelling liquids<br>B. They are steam volatile<br>C. They are nitrogenous bases<br>D. They are soluble in organic solvents                                                                                                                 |

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|    |                                                                                                                                               | D. They are insoluble in water                                                                          |
| 15 | The IUPAC name of ethylene oxide is.                                                                                                          | A. Epoxy methane<br>B. Oxacethene<br>C. Methoxymethane<br>D. All of the above                           |
| 16 | Proteins have characteristics                                                                                                                 | A. Melting point<br>B. Iso electric point<br>C. Boiling point<br>D. All of these                        |
| 17 | Which one of the following sets of elements has the strongest tendency to form positive ions in gaseous state.                                | A. Li, Na, K<br>B. F, Cl, Br<br>C. Be, Mg, Ca<br>D. O, S, Se                                            |
| 18 | Which of the following technique involves the bonding of hydrophobic functional group to solid particle, surface and acts as extracting phase | A. Liquid phase extraction<br>B. Solid phase extraction<br>C. Electrophoresis<br>D. Gel electrophoresis |
| 19 | The common oxidation state of elements of group V A is.                                                                                       | A. -3<br>B. +3<br>C. +5<br>D. Any above                                                                 |
| 20 | During the titration of weak acid against NaOH the conductance of the solution after the neutralization point.                                | A. Is constant<br>B. Decreases<br>C. Varies irregularly<br>D. Increase                                  |