

PPSC Chemistry Full Book Test

| Sr | Questions | Answers Choice |
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| 1 | Which of the following extractant is used to solid phase extraction | A. Bonding of C18 chains on silica B. Bonding of C20 on paper C. Bonding of C18 on glass D. Bonding of C20 on cellulose |
| 2 | Recrystallization is the most common technique of purification of solid organic substances Which of the following statements is not related with characteristics of a suitable solvent. | A. It dissolves the substance on heating B. It readily allows it to separate out in the form of crystal on cooling C. It does not react chemically with substance D. It does dissolve the impurities. |
| 3 | In reverse phase chromatography which of the analyte will be eluted more readily. | A. Polar B. Non polar C. Semi polar D. All above |
| 4 | Select a basic amino acid. | A. Glycine B. Cystine C. Alanine D. Lysine |
| 5 | Which of the following is major sink for carbo monoxide. | A. Water B. Soil C. Animal respiration D. Salts dissolved in ocean water |
| 6 | Which of the following statements is not correct with the concept of Bronsted concept of acids and bases. | A. An acid can donate a proton B. A base can accept a proton C. This concept has many bases that have OH- ions D. This concept is more general |
| 7 | The most stable oxidation state shown by lead is. | A. +2 , +4 B. +2 only C. +3 , +4 D. +4 only |
| 8 | Which one of the following pairs are chemically dissimilar. | A. Na and K B. Ba and Sr C. Zr and HF D. Ca and Zn |
| 9 | The element with atomic numebr greater than 100 are known as | A. Trans uranium elements B. Trans fermium elements C. Actinides D. Lanthanides |
| 10 | Pick out the incorrect statement for SO2 | A. It turns filter paper moistened with acidified K2Cr2O7 B. It turns starch iodate paper blue C. It does not react with chlorine in presence of charcoal D. It decolourises acidified KMnO4 solution. |
| 11 | Which of the following substance is not present in acid rain. | A. Sulphuric acid B. Nitric acid C. Acetic acid D. Sulphurous acid |
| 12 | An acid base titration involves a neutralization reaction in which an acid is reacted with an equivalent amount of base The titrant is always a strong acid or base The analyte may be | A. Strong acid B. Strong base C. Weak acid and Weak base D. All above |
| 13 | Which of the following statement is not related to BVT | A. individual orbitals lose their indention B. VBT uses the concept of resonance C. VBT does not explain the paramanhetic nature of molecule D. it uses only valence electron |
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| 14 | Major principle underlying the sustainability of natural ecosystems is that they run on. | A. Electric energy B. Solar energy C. Wind energy D. None of the above |
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| 15 | Which of the following has maximum number of unpaired electrons. | A. Fe3+ B. Fe2+ C. Co2+ D. CO3+ |
| 16 | An electron has types of motion | A. Spin motion B. Orbital motion C. Both A and B D. None of above |
| 17 | Green houses are responsible for keeping our plant warm and sustaining life on the earth. | A. CO2 & water vapours B. CO2 & properties C. CO2 & properties D. |
| 18 | Used in filling luminous tubes. | A. Xenon B. Krypton C. Radon D. Helium |
| 19 | The value of comprehensibility factor (z) = pV/nRTfor an ideal gas is equal to. | A. R B. 1 C. 2 D. 3 |
| 20 | According to SHAB, Lewis acid are divided into. | A. Two classes B. Three classes C. Four classes D. None of above |