

## PPSC Chemistry Part III Inorganic Chemistry Online Test

| Sr | Questions  | Answers Choice   |
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| 1  | Used for sterilizationof drinking water  | A. F<br>B. Br<br>C. Cl<br>D. I   |
| 2  | Which of the following ions is smallest in size.   | A. F-<br>B. Cl-<br>C. I-<br>D. Br-   |
| 3  | Pick out the incorrect statement about K2Cr2O7   | A. It is thermally stable B. It dissolves in alkali to form chromate C. It oxidizes acidified FeSO4 solution to Fe2(SO4)3 D. It is used as cleansing agent for glassware. etc. When mixed with cold con. H2SO4 |
| 4  | Which of the following gas is lightest.  | A. Dihydrogen B. Helium C. Dinitrogen D. Dioxygen  |
| 5  | Hemimorphite is an example of.   | A. Orthosilicate B. Pyrosilicate C. Cyclic silicate D. Meta silicate   |
| 6  | How many varieties of commercial iron are known.   | A. 1<br>B. 2<br>C. 4<br>D. 3   |
| 7  | Fluorine is.   | A. Powerful oxidizing agent     B. Most reactive element     C. Used as refrigerants     D. All of above   |
| 8  | CFSE for d <sup>7</sup> ion is.  | A. 0.8<br>B0.8<br>C1.8<br>D. 1.8   |
| 9  | The order in O2+ is  | A. 1.0<br>B. 1.5<br>C. 2.0<br>D. 2.5   |
| 10 | The law of trinds was proposed by  | A. Dobereiner B. Newlands C. Lother Mayer D. Chancourtois  |
| 11 | Anything that influence the valence electrons will affect the chemistry of the element Which of the following factors does not affect the valency shell. | A. Valence principle quantum number in     B. Nuclear charge (Z)     C. Nuclear mass     D. Number of core electrons   |
| 12 | Oxides ores of Aluminium   | A. Corundum B. Bauxite C. Diaspore D. All above  |
| 13 | In whihc period, the element with least ionization enthalpy belong to  | A. Group I  B. Group 2 C. Group 17 D. Group 18   |
| 14 | The maximum absorption in [Ti(OH)2)6 3+ take place at wavelength of.   | A. 4000 A <sup>o</sup> B. 5000 A <sup>o</sup> C. 6000 A <sup>o</sup> D. 10000 A <sup>o</sup>   |

| 15 | The formula of borax glass is.  | A. Na2B4O7 10H2O<br>B. Na2B4O7 5H2O<br>C. Na B4 O7<br>D. None of above  |
|----|---|---|
| 16 | Which one of the following ions is colourless.  | A. Cu+<br>B. Co2+<br>C. Ni2+<br>D. Fe3+   |
| 17 | Which is not an ore of aluminium.   | A. Baxuite B. Cryolite C. Monazite D. Corundum  |
| 18 | CFT was originally applied to.  | A. lonic crystal B. Liquid crystal C. Solid crystal D. All above  |
| 19 | The Lewis formula of SOCI2 the total number of bond pairs and lone pairs of electrons around sulphur are. | A. 2,1<br>B. 2 ,2<br>C. 3 ,1<br>D. 3 ,0   |
| 20 | Aluminium does not corrode as does iron because.  | A. Al does not react with O2 B. a-protective layer of Al2O3 forms on the metal surface C. Al is harder to oxidize than is Fe D. Fe gives chathodic protection to Al |