

## PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	PCl <sub>5</sub> is an example of hybridization	A. d sp <sup>3</sup> B. d <sub>2</sub> sp <sup>2</sup> C. sp <sup>2</sup> D. sp <sup>3</sup>
2	The hybridization of sulphur in sulphur dioxide is.	A. sp B. sp <sup>2</sup> C. sp <sup>3</sup> D. dsp <sup>2</sup>
3	Carbon in wrought iron is present as	A. Silicon carbide B. Iron carbide or cementite C. Graphite D. Partly as iron carbide and partly as graphite
4	Allotropic form of tin	A. White tin B. Grey tin C. Rhombic tin D. All above
5	Of the following an amphoteric hydroxide is.	A. Ca(OH) <sub>2</sub> B. NaOH C. Be (OH) <sub>2</sub> D. Li OH
6	The common oxidation state of elements of group V A is.	A. -3 B. +3 C. +5 D. Any above
7	The number used in cancer therapy is.	A. Fe B. Co C. Ni D. Rn
8	Carbon in wrought iron is present as	A. Silicon carbide B. Iron carbide cementite C. Graphite D. Partly as iron carbide and partly as graphite
9	If steel is heated to a temperature well below red heated and is then cooled slowly the process is called.	A. Annealing B. Quenching C. Tempering D. Nitriding
10	Select the correct IUPAC name for [Co(NH <sub>3</sub> ) <sub>6</sub> ] <sup>2+</sup>	A. Hexamminiacobaltate (II) ion B. Hexaamminecobaltate (II) ion C. Hexamminiacobalt (II) ion D. Hexaamminecobalt (II) ion
11	Both the elements shows allotropy	A. B & Al B. B & Si C. Al & Si D. Any of above
12	All the halogen form oxyacids, except	A. Fluorine B. Chlorine C. Bromine D. Iodine
13	H <sub>2</sub> SO <sub>4</sub> is manufactured by	A. The lead chamber process B. The contact process C. Both A and B D. The Ostwald's process
14	Consider the coordination compound Na <sub>2</sub> [Pt(CN) <sub>4</sub> ] the Lewis acid is	A. [Pt(CN) <sub>4</sub> ] <sup>2-</sup> B. Na <sup>+</sup> C. Pt D. Pt <sup>2+</sup>
15	Sodium reacts more vigorously than lithium because.	A. It is a metal B. It has higher atomic mass C. It is more electronegative

		D. It is more electropositive
16	Which of the following represent the fuming sulphuric acid	A. $\text{H}_2\text{S}_2\text{O}_4$ B. $\text{H}_2\text{S}_2\text{O}_3$ C. $\text{H}_2\text{S}_2\text{O}_6$ D. $\text{H}_2\text{S}_2\text{O}_7$
17	Which one of the following ions is colourless.	A. $\text{Cu}^+$ B. $\text{Co}^{2+}$ C. $\text{Ni}^{2+}$ D. $\text{Fe}^{3+}$
18	Which of the following bonds will be non polar.	A. N - H B. O - H C. C - H D. Cl - Cl
19	Tetra halides do not undergo hydrolysis	A. C B. Si C. Sn D. Pb
20	If Steel is heated to a temperature well below red heat and to then cooled slowly the process is called.	A. Annealing B. Quenching C. Tempering D. Nitriding