

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	PCI ₅ is an example of hybridization	A. d sp ³ B. d ₂ sp ² C. sp ² D. sp ³
2	The hybridization of sulphur in sulphur dioxide is.	A. sp B. sp ² C. sp ³ D. d ₂ sp ²
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. Rhomic tin D. All above
5	Of the following an amphoteric hydroxide is.	A. Ca(OH) ₂ B. NaOH C. Be(OH) ₂ 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 ₃) ₆] ²⁺	A. Hexammoniacobaltate (II) ion B. Hexaamminecobaltate (II) ion C. Hexammoniacobalt (II) ion D. Hexaamminecobalt (II) ion
11	Both the elements shows allotropy	A. B & Si B. B & Si C. Al & Si D. Any of above
12	All the halogen form oxyacide, except	A. Fluorine B. Chlorine C. Bromine D. Iodine
13	H ₂ SO ₄ 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 ₂ [Pt(CN) ₄] the Lewis acid is	A. [Pr(CN) ₄] ²⁻ B. Na ⁺ C. Pt D. Pt ²⁺
15	Sodium react more vigorously than lithium because.	A. It is a metal B. It has higher atomic mass C. It is more electronegative

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. Cu^+
- B. Co_2^+
- C. Ni_2^+
- D. 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

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- A. Annealing
- B. Quenching
- C. Tempering
- D. Nitriding