

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	The high oxidizing power of halogens is favored by.	A. Low heat of dissociation of X_2 B. A high electron affinity of the atom C. A higher hydration energy of the ion D. All of above
2	Has the highest value of electronegativity	A. F B. Cl C. Br D. I
3	All halogens exist as covalent molecules.	A. Monoatomic B. Diatomic C. Triatomic D. Tetra atomic
4	Group VII A of periodic table consist of elements.	A. 4 B. 5 C. 6 D. 7
5	A boy accidentally splashes a few drops of conc. H_2SO_4 on his cotton shirt. A few minutes later, the splashed part blacken and holes appear. This is because the sulphuric acid.	A. Heats up the cotton so that it burns B. Dehydrates the cotton C. Causes cotton to react with oxygen of the air D. Removes the elements of water from cotton
6	Pick out the ideal conditions needed for the manufacture of H_2SO_4 by contact process.	A. Low temperature high pressure and high concentration of reactants B. Low temperature, low concentration of reactants and low pressure C. High temperature high pressure and high concentration of reactants D. Low temperature, low pressure and high concentration of reactants.
7	Hypo is used in photography to.	A. Reduce $AgBr$ to metallic silver B. Remove silver a silver salt C. Remove undecomposed silver bromide as soluble complex D. Remove reduced silver
8	Which of the following represent the fuming sulphuric acid	A. H_2SO_4 B. H_2SO_3 C. H_2SO_6 D. H_2SO_7
9	Which of the following compounds is most acidic.	A. H_2O B. H_2S C. H_2Se D. H_2Te
10	Which one of the following has the highest boiling point.	A. H_2O B. H_2S C. H_2Se D. H_2Te
11	The hybridization of S in SO_2 is.	A. sp B. sp^2 C. sp^3 D. dsp^2
12	B.P of heavy water is	A. equal to that of ordinary water B. greater than that of ordinary water C. Less than that of ordinary water D. equal to that of distilled water
13	When a lead storage battery is discharged.	A. SO_2 is evolved B. PbS is consumed C. Pb is formed D. H_2SO_4 is consumed

14	Pick out the incorrect statement for SO ₂	<p>A. It turns filter paper moistened with acidified K₂Cr₂O₇</p> <p>B. It turns starch iodate paper blue</p> <p>C. It does not react with chlorine in presence of charcoal</p> <p>D. It decolourises acidified KMnO₄ solution.</p>
15	Oxalic acid when heated with conc. H ₂ SO ₄ it gives out.	<p>A. H₂O and CO₂</p> <p>B. CO and CO₂</p> <p>C. CO₂ and H₂S</p> <p>D. Oxalic sulphate</p>
16	Which among the following is a false statement.	<p>A. SO₃ is obtained by the catalytic oxidation of SO₂</p> <p>B. SO₃ has trigonal planar geometry in gaseous state</p> <p>C. SO₃ in gaseous state has all S-O bonds equivalent</p> <p>D. SO₃ gas shows more solubility in water than in H₂SO₄</p>
17	What is the following is incorrect.	<p>A. Water is more polar than H₂S</p> <p>B. H₂O₂ is a planar molecule</p> <p>C. Heavy water is produced by the exhaustive electrolysis of water made acidic</p> <p>D. H₂O₂ act both as oxidising as well as reducing agent in acidic medium</p>
18	Pick out the incorrect statement regarding ozone.	<p>A. O₃ is an unstable dark blue diamagnetic gas</p> <p>B. The central oxygen in O₃ is sp³ hybridized</p> <p>C. It causes the pitting of mercury</p> <p>D. It does not react with KOH</p>
19	Which of the following is not true of ozone.	<p>A. It is a strong oxidizing agent</p> <p>B. It attacks organic compounds containing carbon carbon double bond</p> <p>C. Its molecular is linear and has two different O-O bond lengths</p> <p>D. It is more powerful oxidising agent than molecular oxygen</p>
20	Which of the following reactions is employed to produce ozone in the laboratory.	<p>A. Exposure of air to UV light</p> <p>B. Reaction of F₂ with H₂O at low temperature</p> <p>C. Reaction SO₂ with H₂O₂</p> <p>D. Passage of silent electric discharge through oxygen</p>