

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Pick out the incorrect statement.	<p>A. Red phosphorus consists of a complied chain structure and black phosphorus has a layer structure.</p> <p>B. Nitrogen shows a little tendency for catenation, because N-N a single bond is very strong.</p> <p>C. The xamimum number of covalent bonds formed by nitrogen is four, since it has no d-orbitals in its valence shell</p> <p>D. The group 15 elements do not form M5+ ions, but +5 oxidatin state is realized only through covalent bonding.</p>
2	Phosphorus normally exhibit a covalency of.	<p>A. +1 and +2</p> <p>B. +2 and +3</p> <p>C. +3 and +4</p> <p>D. +4 and +5</p>
3	Nitrogen (N ₂) is relatively unreactive because.	<p>A. Its electronegativity is high</p> <p>B. Its dissociation energy is large</p> <p>C. Its atomic radius is small</p> <p>D. It is the first element of group 15</p>
4	After assimilation urea leaves behind in the soil	<p>A. NH₃</p> <p>B. CO₂</p> <p>C. Both A and B</p> <p>D. None of above</p>
5	Ammonia is utilized for	<p>A. Manufacture of urea</p> <p>B. Oxidation to nitric acid</p> <p>C. Manufacture of ammonium sulphate</p> <p>D. All above</p>
6	In urea the amount of nitrogen is	<p>A. 82.0%</p> <p>B. 46.0%</p> <p>C. 33.0%</p> <p>D. 21.0%</p>
7	Urea is fertilizer	<p>A. Nitrogen fertilizer</p> <p>B. Potash fertilizer</p> <p>C. Phosphorous fertilizer</p> <p>D. Complete fertilizer</p>
8	Commercial or the phosphoric acid is pure.	<p>A. 37.0%</p> <p>B. 82.98%</p> <p>C. 88.25%</p> <p>D. 90.12%</p>
9	Formula of orthophosphoric acid.	<p>A. H₂PO₄</p> <p>B. H₃PO₃</p> <p>C. H₃PO₂</p> <p>D. H₄P₂O₅</p>
10	Acid rain effects	<p>A. Human being</p> <p>B. Crops</p> <p>C. Aquatic life</p> <p>D. All above</p>
11	Formula of orthophosphoric acid	<p>A. H₂PO₄</p> <p>B. H₃PO₂</p> <p>C. H₃PO₂</p> <p>D. H₂P₂O₅</p>
12	Acid rain effects	<p>A. Human being</p> <p>B. Crops</p> <p>C. Aquatic life</p> <p>D. All above</p>
13	Nitric acid is used in manufacturing of.	<p>A. Explosive</p> <p>B. H₂SO₄</p> <p>C. Fertilizer</p> <p>D. All above</p>

14	Nitric acid has the property	<div>A. <div>Nitrating</div></div> <div>B. Reducing</div> <div>C. Redoxing</div> <div>D. None of above</div>
15	Aque regia is made by dissolving a mixture of HNO ₃ and HCl with ratio.	<div>A. 1 : 1</div> <div>B. 1 : 3</div> <div>C. 1 : 2</div> <div>D. 1 : 10</div>
16	In Ostwald's process of manufacturing nitric acid a mixture of ammonia gas with air is maintained with ratio.	<div>A. 1 : 4</div> <div>B. 1 : 3</div> <div>C. 1 : 8</div> <div>D. 1 : 10</div>
17	Nitric acid is used in the manufacturing of.	<div>A. Dyes</div> <div>B. Drugs</div> <div>C. Artificial silk</div> <div>D. All above</div>
18	An explosive	<div>A. Nitroglycerine</div> <div>B. Trinitrotoluene</div> <div>C. Fluorine perchlorate</div> <div>D. All above</div>
19	Since the acid gives both acidic and normal salts so the acid is.	<div>A. di acid</div> <div>B. di basic</div> <div>C. double salt</div> <div>D. Any of above</div>
20	A red color gas, on condensing it gives a dark blue liquid.	<div>A. NO</div> <div>B. N₂O</div> <div>C. N₂O₃</div> <div>D. N₂O₄</div>