

PPSC Chemistry Part VI Applied/Industrial Chemistry Online Test

Sr	Questions	Answers Choice
1	Soap is soluble in grease because it	<p>A. Is non polar</p> <p>B. Has a hydrophobic head</p> <p>C. Has a hydrophobic tail</p> <p>D. Has an ionic head and a hydrocarbon tail</p>
2	What element is added to copper to increase its strength and fatigue properties.	<p>A. Silicon</p> <p>B. Aluminium</p> <p>C. Beryllium</p> <p>D. Copper</p>
3	What is the advantage of quench hardening?	<p>A. Improved strength</p> <p>B. Hardness</p> <p>C. Wear characteristics</p> <p>D. All of the choice</p>
4	What is a process of producing a hard surface in a steel having a sufficiently high carbon content to respond to hardening by a rapid cooling of the surface?	<p>A. Cyaniding</p> <p>B. Nitriding</p> <p>C. Flame hardening</p> <p>D. Stability</p>
5	Steel is an alloy of iron and carbon with limits on the amount of carbon to less than _____ percent.	<p>A. 2</p> <p>B. 3</p> <p>C. 1</p> <p>D. 4</p>
6	The wear-resistance of the material is attributed to its ability on _____ that is the hardness is increased greatly when the steel is cold worked.	<p>A. Cold harden</p> <p>B. Stress harden</p> <p>C. Strain harden</p> <p>D. Cool temperature</p>
7	Which of the following process is not sorbent separation technology.	<p>A. Penex</p> <p>B. Parex</p> <p>C. Molex</p> <p>D. Olex</p>

8	Ammonium nitrate is sold as a mixture with	A. Soda Ash B. Lime stone C. Zinc D. None of above
9	The soap and detergent are source of organic pollutants like.	A. Glycerol B. Polyphosphates C. Sulphonated hydrocarbons D. All of these
10	Which type of organic compounds does fat belong to.	A. Alkene B. Ester C. Alkanol D. Alkanoic acid
11	The percentage of nitrogen in ammonium sulphate is _____%	A. 27 B. 21 C. 23 D. 19
12	Soap and detergent remove the dirt from clothes due to.	A. Osmosis B. Gravity C. Lowering of interfacial tension D. Diffusion
13	Which of the following is raw material not present on the cement.	A. Lime stone B. Gypsum C. Red lead D. Blast furnace slag
14	Manganese steel usually contains how many percent of manganese.	A. 1 to 5 B. 3 to 10 C. 11 to 14 D. 14 to 18
15	The percentage of nitrogen in Urea is _____%	A. 46 B. 37 C. 82 D. 50
16	In glass making the whole combination of ingredients is called a.	A. Gangue B. Batch C. Mixture D. None of these
17	In Glass of vitreous state solid the atoms are arranged in.	A. Regular fashion B. Random fashion C. linear fashion D. All of these
18	When a drop of detergent solution is added onto a clean towel. It spreads instead of existing as a droplet Which of the following statements explains this phenomenon.	A. Detergent acts as an emulsifying agent B. Detergent reduce surface tension of water C. Detergent reduces surface tension of water D. All of above
19	Which of the following are anionic detergents.	A. Sodium salts of sulfonated long chain alcohol B. Ester of stearic acid and polythlene glycol C. Quaternary ammonium salt of amine with acetate ion D. Sodium salts of sulfonated long chain hydrocarbons
20	What is use of the addition of brine solution in the production of soap from castor oil and sodium hydroxide.	A. To speed up the reaction B. To lower the solubility of soap C. To remove unreacted castor oil and sodium hydroxide D. To increase the purity of the soap obtained.