

PPSC Chemistry Part VI Applied/Industrial Chemistry Online Test

Sr	Questions	Answers Choice
1	Which cast iron is hard and wear resistant.	<p>A. Grey iron</p> <p>B. White iron</p> <p>C. Malleable iron</p> <p>D. None of these</p>
2	What cast iron has modular or spheroidal graphite?	<p>A. Ductile iron</p> <p>B. Gray iron</p> <p>C. White iron</p> <p>D. Raw iron</p>
3	Major ingredients of traditional ceramics	<p>A. Silica</p> <p>B. Clay</p> <p>C. Feldspar</p> <p>D. All</p>
4	What element constitutes the major component of most bronzes.	<p>A. Tin</p> <p>B. Zinc</p> <p>C. Carbon</p> <p>D. Aluminum</p>
5	Purpose of sizing is.	<p>A. To increase the strength</p> <p>B. To improve formation</p> <p>C. To increase resistance toward water</p> <p>D. To remove wastes</p>
6	What is the ASTM tension testing designation for standard method for steel products.	<p>A. A 370</p> <p>B. E 345</p> <p>C. E8</p> <p>D. E 9</p>
7	Most effective pesticide is	<p>A. Carbonates</p> <p>B. Organophosphates</p> <p>C. Organ chlorines</p> <p>D. All of these</p>
8	What ASTM test for tension is designated for plastics.	<p>A. A 370</p> <p>B. D 638</p> <p>C. E 292</p> <p>D. None of these</p>
9	The by-product of the process of saponification is.	<p>A. Methanol</p> <p>B. Glycol</p> <p>C. Glycerol</p> <p>D. Absolute alcohol</p>

10	What corrosion occurs under organic coating on metals as fine wavy hairlines?	<p>A. Stray current corrosion</p> <p>B. Microbiological corrosion</p> <p>C. Filiform corrosion</p> <p>D. Simple corrosion</p>
11	Which of the following is NOT true 7 ceramic materials are.	<p>A. Hard, have high densities high compressive strength and very good thermal resistance and strength at higher temperature Silicon</p> <p>B. Hard, have low densities high compressive strength and very good thermal resistance and strength at higher temperature.</p> <p>C. Hard, have low densities low compressive strength and very good thermal resistance and strength at higher temperature.</p> <p>D. Hard, have low densities' high compressive strength and very good thermal resistance and strength at higher temperature.</p>
12	CNG is stored under	<p>A. Power generation</p> <p>B. Electric Generators</p> <p>C. Solvent</p> <p>D. All of above</p>
13	What is the effect of aluminum in cast iron.	<p>A. To increase hardness above 0.5 %</p> <p>B. To deoxidize molten cast iron</p> <p>C. To affect machinability, ductility and shrinkage depending on form</p> <p>D. Both A and B</p>
14	in the process of production of soap the soap can be salted out by adding	<p>A. Concentrated sulphuric acid</p> <p>B. Concentrated potassium hydroxide solution</p> <p>C. Concentrated sodium chloride solution</p> <p>D. None of above</p>
15	Cement containing higher percentage of gypsum than required.	<p>A. Sets slowly</p> <p>B. Sets rapidly</p> <p>C. Does not set at all</p> <p>D. Has no effect</p>
16	What element is added to copper to make it extremely hard.	<p>A. Aluminum</p> <p>B. Zinc</p> <p>C. Lead</p> <p>D. Tin</p>
17	Refining is	<p>A. Extracting petroleum gas</p> <p>B. Separation of various fraction</p> <p>C. Heating of coal</p> <p>D. All of above</p>
		<p>A.</p>

18	What refers to the deterioration of material by oscillatory relative motion of small amplitude between two solid surfaces in a corrosive environment?	<p style="margin-bottom: 0;">bottom:.0001pt;line-height: normal">Stray current corrosion</p> </o:p></p> <p>B. <p class="MsoNormal" style="margin-bottom: 0in;margin-bottom:.0001pt;line-height: normal">Microbiologica corrosion</p></o:p></p> <p>C. <p class="MsoNormal" style="margin-bottom: 0in;margin-bottom:.0001pt;line-height: normal">Fretting corrosion</p></o:p></p> <p>D. <p class="MsoNormal" style="margin-bottom: 0in;margin-bottom:.0001pt;line-height: normal">None of these</p></o:p></p></p> </p></p></p>
19	The special chrome steels of the stainless variety contain how many percent of chromium.	<p>A. <p class="MsoNormal" style="margin-bottom: 0in;margin-bottom:.0001pt;line-height: normal;tab-stops: 395.7pt">4 to 8</p></o:p></p> <p>B. <p class="MsoNormal" style="margin-bottom: 0in;margin-bottom:.0001pt;line-height: normal;tab-stops: 395.7pt">11 to 17</p></o:p></p> <p>C. 9 to 10</p> <p>D. 12 to 15</p> </p></p>
20	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. <p class="MsoNormal" style="margin-bottom: 0in;margin-bottom:.0001pt;line-height: normal">Cyaniding</p></o:p></p> <p>B. <p class="MsoNormal" style="margin-bottom: 0in;margin-bottom:.0001pt;line-height: normal">Nitriding</p></o:p></p> <p>C. <p class="MsoNormal" style="margin-bottom: 0in;margin-bottom:.0001pt;line-height: normal">Flame hardening</p></o:p></p> <p>D. <p class="MsoNormal" style="margin-bottom: 0in;margin-bottom:.0001pt;line-height: normal">Stability</p></o:p></p></p> </p></p></p>