

PPSC Chemistry Part VI Applied/Industrial Chemistry Online Test

| Sr | Questions | Answers Choice |
|----|--|--|
| 1 | The following statements are true except one which one. | <p>A. Carburizing does not harden a steel</p> <p>B. Flame and induction hardening require the use of hardenable steels.</p> <p>C. Quench –hardened steel does not require tempering to present brittleness</p> <p>D. None of these</p> |
| 2 | The group of steel are water hardened tool steels. | <p>A. Groups S</p> <p>B. Groups W</p> <p>C. Groups O</p> <p>D. Group F</p> |
| 3 | Which of the following does NOT react with sodium hydroxide solution. | <p>A. Fat</p> <p>B. Vinegar</p> <p>C. Ethanol</p> <p>D. Water</p> |
| 4 | 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> |
| 5 | The following alloys are the chief alloys that are die cast except. | <p>A. Zinc alloys</p> <p>B. Magnesium alloys</p> <p>C. Manganese alloys</p> <p>D. Nickel alloys</p> |
| 6 | Bitumen is used in | <p>A. Electric generators</p> <p>B. Road surfacing</p> <p>C. Coal tar</p> <p>D. All of above</p> |
| 7 | What is the equilibrium temperature of transformation of austenite to pearlite | <p>A. 1000 F</p> <p>B. 1333 F</p> <p>C. 166 6 F</p> <p>D. 1222 F</p> |
| 8 | What is the most undesirable of all the elements commonly found in steels. | <p>A. Sulphur</p> <p>B. Phosphorus</p> <p>C. Silocn</p> <p>D. Magnesium</p> |
| 9 | What combination of elements has high electrical resistance high corrosion resistance, and high strength at red hear temperatures, making it useful in resistance heating. | <p>A. Aluminium bronze</p> <p>B. Nichrome</p> <p>C. Hastelloy</p> <p>D. None of above</p> |
| 10 | The special chrome steels of the stainless variety contain how many percent of chromium. | <p>A. 4 to 8</p> <p>B. 11 to 17</p> <p>C. 9 tp 10</p> <p>D. 12 to 15</p> |
| 11 | Washina soap can be prepared by saponification with alkali of _____ of the followina oil. | <p>A. Rose oil</p> <p>B. Paraffin oil</p> |

| | | |
|----|--|---|
| | | <p>C. Groundnut oil</p> <p>D. Coconut oil</p> |
| 12 | What is the advantage of quench hardening? | <p>A. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">Improved strength</p></p> <p>B. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">Hardness</p></p> <p>C. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">Wear characteristics</p></p> <p>D. All of the choice</p> |
| 13 | Granulated sugar contains _____% sucrose | <p>A. 80</p> <p>B. 99.30</p> <p>C. 60</p> <p>D. 70</p> |
| 14 | The percentage of nitrogen in ammonium sulphate is _____% | <p>A. 27</p> <p>B. 21</p> <p>C. 23</p> <p>D. 19</p> |
| 15 | What term is used to denote a family of thermosetting polymers that are reaction products of alcohols and acids. | <p>A. Alkaline</p> <p>B. Alkydes</p> <p>C. Alcocide</p> <p>D. Ketones</p> |
| 16 | Chemical compounds which are added to reduce to reactivity of glass are called. | <p>A. Formers</p> <p>B. Modifiers</p> <p>C. Stabilizers</p> <p>D. None of these</p> |
| 17 | Which one of the following set of raw material is most suitable for manufacture of urea. | <p>A. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">CH₄N₂ and CO₂</p></p> <p>B. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">H₂CO₂ and H₂O</p></p> <p>C. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">H₂O N₂ and H₂</p></p> <p>D. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">H₂O N₂ AND KCl</p></p> |
| 18 | What corrosion occurs under organic coating on metals as fine wavy hairlines? | <p>A. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">Stray current corrosion</p></p> <p>B. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">Microbiological corrosion</p></p> <p>C. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">Filiform corrosion</p></p> <p>D. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">Simple corrosion</p></p> |
| | | <p>A. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal">Casting</p></p> <p>B. <p class="MsoNormal" style="margin-bottom:0in;margin-bottom:.0001pt;line-height:normal"></p></p> |

19 What refers to a shape achieved by allowing a liquid to solidify in a mold.

bottom:.0001pt;line-height:
normal;tab-
stops:395.7pt">Molding<o:p></o:p>
</p>
C. <p class="MsoNormal"
style="margin-bottom:0in;margin-
bottom:.0001pt;line-height:
normal;tab-
stops:395.7pt">Forming<o:p></o:p>
</p>
D. <p class="MsoNormal"
style="margin-bottom:0in;margin-
bottom:.0001pt;line-height:
normal;tab-stops:395.7pt">All of the
choices<o:p></o:p></p>

20 Natural gas can be transported through

- A. Cylinders
- B. Pipes
- C. Barriers
- D. All of above