K.S. Rangasamy College of Technology, Tiruchengode-637 215 GATE Type Questions

Course Name : Textile Chemical Processing

| 1. | Bleached cotton fabric was sent to a laboratory for determination of Copper Number, which is an estimate of the presence of | | |
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| | (A) Hydroxyl groups | (B) Carboxyl groups | |
| | (C) Reducing groups | (D) Oxidizing groups | |
| 2. | During bleaching of cotton with H2O2, | the stabilizer used is | |
| | (A) Sodium hydroxide | (B) Sodium silicate | |
| | (C) Acetic acid | (D) Sodium carbonate | |
| 3. | Sodium persulphate is used in | | |
| | (A) Bleaching | (B) Scouring | |
| | (C) Mercerization | (D) Desizing | |
| 4. | pH maintained in enzymatic desizing is | | |
| | (A) 2.0 | (B) 4.2 | |
| | (C) 6.5 | (D) 14 | |
| 5. | singeing is most suitable to remove fibres | | |
| | (A) Gas and protruding | (B) Roller and protruding | |
| | (C) Plate and projecting | (D) Open and knotted | |
| 6 | . Barium activity number of a cotton fab have undergone | ric was found to be 150. The fabric must | |
| | (A) Desizing | (B) Desizing and Scouring only | |
| | . , | (D) Desizing Scouring and bleaching only | |
| 7. | . During bleaching of cotton with hydrog (A) Reduces the viscosity of bath | en peroxide, addition of sodium silicate (B) Controls the rate of decomposition of perhydroxyl ions (HO2–) | |
| | (A) Reduces the surface tension of b | eath (D) Enhances swelling of cotton | |
| 8. | . Malachite Green is an important dyesti | ıff. The typical green colour is obtained | |
| | when the dye molecule is | | |
| | (A) Nonionic | (B) Cationic | |
| | (C) Anionic | (D) Made up of phenyl groups | |

| 9. In dyeing of wool with levelling acid dyes, with time, the pH of dye bath | | |
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| (A) Increases | (B) Decreases | |
| (C) Remains constant | (D) First increases and then decreases | |
| 10. The gum present in raw silk fibre | is | |
| (A) Sericin | (B) Fibroin | |
| (C) Keratin | (D) Casein | |
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