B. Tech.
(SEM. IV) EXAMINATION, 2006-07
TEXTILE CHEMICAL ANALYSIS

Time : 3 Hours] [Total Marks : 100

Note : Attempt all questions, All questions carry equal marks.

1. What are the different methods of identification of textile fibres? Discuss one in detail with its merits and demerits.

   OR

1. What do you understand by the term “Water Hardness”? What should be the hardness of water for processing?

2. What do you understand by colour and constitution of dyeing materials? Discuss the factors affecting by this.

   OR

2. Illustrate the identification of dyes on the fibres by taking examples of fastness to rubbing?

3. With the help of a neat sketch describe “Dumans” method of nitrogen estimation?

   OR

3. How the fluidity of cotton soluble in cupramonium hydroxide solutions measured?

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4. Describe the process of determining the strength of sodium hydro sulphite.

**OR**

4. Compare the process of determination of strength of hydrogen peroxide with hypo-chlorite solution.

5. Discuss the sinking time method for evaluation of wetting agents?

**OR**

5. Define ‘Copper number’? Discuss the process of determination of copper number.