

Q.31 What are added and natural impurities in cotton wool & silk?

Q.32 Classify the dyes.

### SECTION-D

**Note:** Long answer type questions. Attempt any three questions out of four questions. (3x10=30)

Q.33 Write in detail about any two dyeing machines.

Q.34 Write in detail bleaching process and various bleaching agents.

Q.35 Write about various Textile processes used for preparation of cotton fiber for dyeing?

Q.36 Explain the cotton dyeing process with various dyes.

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### 3rd Sem. / Textile Technology

#### Subject : Textile Chemistry-I

Time : 3 Hrs.

M.M. : 100

### SECTION-A

**Note:** Objective type questions. All questions are compulsory (10x1=10)

Q.1 Name any two impurities present in cotton?

Q.2 Singeing process \_\_\_\_\_ (burns/dissolves) the protruding fibers?

Q.3 \_\_\_\_\_ is universal bleaching agent.

Q.4 Mercerization is done \_\_\_\_\_ (before/after) dyeing process.

Q.5 Wool is dyed with \_\_\_\_\_ dye.

Q.6 Desizing process removes \_\_\_\_\_ only.

Q.7 Scouring is done before Mercerization. (True/False)

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- Q.8 Polyester is dyed with \_\_\_\_\_ dye.
- Q.9 Basic dye is used for dyeing of \_\_\_\_\_ fiber.
- Q.10 Carrier method is used for dyeing of \_\_\_\_\_ fiber.

### SECTION-B

**Note:**Very short answer type questions. Attempt any ten questions out of twelve questions. (10x2=20)

- Q.11 Define Shearing and cropping.
- Q.12 What do you mean by Auxochrome?
- Q.13 Which type of singeing is best and why?
- Q.14 What is degumming of silk?
- Q.15 Name two bleaching agent.
- Q.16 What do you mean by material to liquor ratio (MLR)?
- Q.17 What is purpose of scouring process?
- Q.18 What is purpose of Degumming of silk?
- Q.19 Name any two dyes used for cotton dyeing.

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- Q.20 Name any two desizing process.
- Q.21 Why soaping is done?
- Q.22 What is bleaching process?

### SECTION-C

**Note:**Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)

- Q.23 Explain Bleaching of cotton with Hydrogen peroxide.
- Q.24 Write note on Carbonization of wool.
- Q.25 Write short note on scouring process.
- Q.26 Write short note on wool dyeing.
- Q.27 Write any one method for polyester dyeing.
- Q.28 Explain dyeing of cotton with reactive dyes.
- Q.29 Explain Singeing process in about 120 words.
- Q.30 What are the changing that take place during mercerization in cotton fiber?

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