

Q.30 Show the conditions for standard testing atmosphere.

Q.31 How grading of wool is done.

Q.32 Tell any three uses of polypropylene fibre.

### SECTION-D

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

Q.33 Define sericulture. Discuss each stage of life cycle of a silk worm in brief.

Q.34 Draw the process flow of cotton ring spinning system. Also tell the names of feed and delivered material at each stage.

Q.35 Explain the manufacturing process of viscose rayon in brief.

Q.36 Draw a fibre classification chart and tell example of each type.

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### 1st Sem. / Textile Design

### Subject : Textile processes-1

Time : 3 Hrs.

M.M. : 100

### SECTION-A

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

Q.1 List three natural fibres

Q.2 Define filament

Q.3 List two animal fibre

Q.4 Define degree of polymerisation

Q.5 Define humidity

Q.6 Define crimp

Q.7 Define twist

Q.8 Define weaving

Q.9 Define knitting

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Q.10 Define ply yarn

### SECTION-B

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

Q.11 Tell two chemical properties of polyester fibre.

Q.12 List two examples of regenerated fibres.

Q.13 Tell two uses of nylon fibre.

Q.14 Show the formula to calculate Relative humidity.

Q.15 Tell two vegetable fibres.

Q.16 List the four stages in the life cycle of a silk worm.

Q.17 Tell any two names of different types of silk.

Q.18 Define ageing process in the manufacture of viscose rayon.

Q.19 Tell the units of tenacity.

Q.20 Tell any two varieties of wool.

Q.21 Define ginning.

Q.22 Tell the standard regain of wool and cotton fibre.

### SECTION-C

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

Q.23 Tell three uses of cotton and wool fibres.

Q.24 How grading of cotton is done.

Q.25 Describe three physical and three chemical properties of wool fibre.

Q.26 Describe retting process in jute.

Q.27 Differentiate between woollen and worsted yarns.

Q.28 Tell three uses of viscose rayon and acetate rayon.

Q.29 The weight of cotton sample is 100 grams and when heated at 105° C for 2 hours, the weight reduces to 94 grams. Find the moisture content and moisture regain of cotton sample.

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