

- Q.31 Write four size ingredients and their objectives.
- Q.32 How the size pickup percentage can increase or decrease?
- Q.33 Discuss the importance of size ingredients in cotton yarn.
- Q.34 Explain hot air-drying method.
- Q.35 What happens if the warp sheet is not sized before weaving?

Section-D

Note: Long answer type questions. Attempt any two questions out of three Questions. (2x10=20)

- Q.36 Explain the working principle of direct warping machine with neat diagram.
- Q.37 The fabric consists of 2500 ends with the total weight of ends are 48 lbs. If the count of the warp and weft yarn is 30 Ne and 20 Ne, respectively, then calculate the length of fabric (in yards) ignoring the warp regain and crimp.
- Q.38 Explain the working of ordinary beam warping and high-speed beam warping machine and their limitations.

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4th Sem. / Branch : Textile Technology
Subject : Weaving Preparatory Processes-II

Time : 3 Hrs. M.M. : 100

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (10x1=10)

- Q.1 Which of the following packages is feed to sizing?
 a) Warping beam b) Lap
 c) Roving bobbin d) Cone
- Q.2 The process comes after warping is
 a) Doubling b) Spinning
 c) Winding d) Sizing
- Q.3 After sizing, yarn weight _____.
 a) Decreases b) Increases
 c) Average d) Not change
- Q.4 If the weight of 1000 meter of sized yarn is 80 grams then count (Tex) of the sized yarn is,
 a) 80 Tex b) 90 Tex
 c) 100 Tex d) 1000 Tex
- Q.5 Adjustable reed is related to
 a) Warping b) Spinning
 c) Carding d) Blow room

- Q.6 Out of these, which one is not a fault produced in warping
 a) Cross ends
 b) Ribbon formation
 c) Uneven thread tension
 d) Slack ends
- Q.7 The function of measuring roller is to measure
 a) Length of warp yarn b) Weight of warp yarn
 c) Width of warp yarn d) None of the above
- Q.8 Where are the yarns placed during the warping process?
 a) In a sewing machine b) On a warp beam
 c) In a dye bath d) On the floor
- Q.9 Which of the following is commonly used as a sizing material in textile manufacturing?
 a) HCl b) Starch
 c) Salt d) Sugar
- Q.10 What is the main objective of sizing in textile manufacturing?
 a) To improve weavability
 b) To improve warping
 c) Improve production of ring frame
 d) To decrease strength of yarn

Section-B

Note: Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$

- Q.11 Define warp winding.

- Q.12 What is sectional warping?
 Q.13 Write common faults in warping.
 Q.14 What is the sizing of yarn.
 Q.15 If the count of the warp yarn is 30 Tex, then Calculate the weight of 1000 meter of warp yarn.
 Q.16 Name any two types of creel method for warping.
 Q.17 What are the guide rollers in warping machine?
 Q.18 Write the function of dancing roller in sizing.
 Q.19 What are use of tensioner in a warping machine.
 Q.20 What is creel capacity?

Section-C

- Note:** Short answer type Question. Attempt any twelve questions out of fifteen Questions. $(12 \times 5 = 60)$
- Q.21 What are the objectives of sizing?
 Q.22 What are the objectives of warping?
 Q.23 Write briefly about different types of sizing methods for cotton yarn.
 Q.24 Discuss multicylinder drying method in sizing machine.
 Q.25 Draw the flow chart of passage of material through the direct warping machine.
 Q.26 Why warp yarn requires sizing before weaving.
 Q.27 Explain any type of creel with neat diagram.
 Q.28 What is measuring and marking motion?
 Q.29 Write the factor which influences the size pick-up percentage.
 Q.30 Discuss the common faults in warping and their remedies.