

Roll No.

Total Pages : 03

BT-7/M-20

37095

PROCESSING CONTROL IN WEAVING-II
TT-435

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. What is the importance of Process Control in various textile departments ? With the help of suitable examples, explain the considerations of evolving systems of process control in winding, warping, sizing and weaving. How to control package faults in a winding machine ? Explain briefly. **20**
2. How to measure yarn faults in a winding machine ? Discuss briefly CLASSIMAT and CLASSIFALT Systems. How to minimize yarn breaks in Pirn Winding ? Discuss briefly. Also discuss, how the productivity and build of the pirn is improved ? **20**

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Unit II

3. What do you mean by Performance assessment of Warping ? How to control productivity and quality of warp beam ? Illustrate your answer with the help of suitable examples. Also explain the common problems that are encountered in warping and their remedial measures. What do you mean by CREELING CAPACITY ? Discuss. **20**
4. What are size ingredients ? How to control size losses in sizing ? With the help of suitable example, explain the standard norms for setting speeds and production rates at different stages. With the help of suitable data, explain the costing of drawing-in process. **20**

Unit III

5. What is the need of process Control in Weaving ? How to analysis end breaks in Weaving ? Explain briefly. What do you mean by LOOM PERFORMANCE ? Explain, how yarn quality can improve loom performance, How to control loom stops ? Explain with the help of suitable example, explain, how to improve loom efficiency ? **20**

6. Discuss, how to measure fabric defects. What are the norms and standards for measuring fabric defects that are used in TEXTILE and APPAREL industries. What are the norms of hard waste in various processes in weaving ? How to control hard waste ? Explain. **20**

Unit IV

7. What do you mean by operative, running and machine efficiency ? With the help of suitable data, calculate production and efficiency of a Textile and Apparel industry. **20**
8. Describe the importance of Maintenance Audit. Explain various types of maintenance. With the help of suitable examples, explain the maintenance schedule of Preparatory and Weaving shed. **20**