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**Unit-II**

Roll No. ....

**8783**

Printed Pages : 3

**BT-7 / D 12**

**PROCESS CONTROL IN SPINNING AND  
WEAVING**

**Paper-TT-403**

*Time allowed : 3 hours] [Maximum marks : 100*

*Note : Attempt any five questions, selecting at least one question from each unit.*

**Unit-I**

1. (a) Outline the procedure to control mixing quality and cost using Linear programming. 10
- (b) Mention different types of cotton contamination along with their source of origin. Suggest some measures to control cotton contamination. 10
2. (a) How will you measure the cleaning efficiency and waste in a Blow room ? What steps should be taken to improve the cleaning efficiency of a Blow room ? 12
- (b) Mention the reason of high neps content in a sliver. How will you control them ? 8

**8783**

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3. (a) What is with-in and between bobbin count CV ? How will you control the with-in bobbin count CV ? 10
- (b) Mention different types of yarn fault. How they can be controlled. 10
4. (a) What do you mean by periodic irregularity ? Why they occur ? How to control these types of irregularity ? 12
- (b) Briefly discuss different types of quality control chart along with their significance. 8

**Unit-III**

5. (a) Why it is important to evolve a system of process control in weaving ? What will be the right approach for an effective process control in weaving ? 10
- (b) What is machine and energy audit ? How these auditing system helps to control weaving process ? 10

**8783**

( 3 )

6. (a) Discuss how will you control the quality and productivity in winding section. 10
- (b) Outline the process to control loom efficiency and loom stops. 10

#### Unit-IV

7. (a) Mention the reason of occurrence and control of following fabric defects :
- (i) Warp streaks
  - (ii) Weft bar
  - (iii) Temple Mark
  - (iv) Shuttle smash. 12
- (b) How will you control the hard waste in winding and warping section ? Mention the standard norms for hard waste at these sections. 8
8. (a) What is preventive and scheduled maintenance ? Write down the maintenance schedule of loom shed. 12
- (b) What may be the causes of rejection of a shuttle and picker ? What proper care should be taken during use of these parts ? 8