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Total No. of Questions : 09

B.Tech.(Textile) (2011 Onwards)   (Sem.–6)
PROCESS CONTROL IN TEXTILES
Subject Code : BTTE-602
Paper ID : [A2761]

Time : 3 Hrs.   **Max. Marks : 60**

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. **Answer briefly :**

   a) Do you think the clean cotton fibres need less number of machines in blow room process compared to dirty ones?

   b) What are the distinct types of wastes influencing the yarn realization%?

   c) What do you mean by machine productivity index?

   d) What are causes of loss in efficiency in ring frame?

   e) How can you determine the unevenness index of a yarn mass?

   f) What are factors related to yarn responsible in affecting yarn strength?

   g) Why the yarn hairiness increases after all post spinning processes?

   h) Why Uster Classimat System is an important process control tool in winding?

   i) Why the extensibility of the yarn reduces after sizing?

   j) Based on the defects- how the fabrics are classified?

SECTION-B

2. What is the purpose of applying tension in the yarn during pirn winding?

3. State the yarn parameters which are influencing the yarn hairiness.

4. What are the steps to be taken to improve the loom productivity?

5. State the special measures which are required to reduce long thin H & I faults in yarn.

6. What are the steps to be exercised to improve the yarn realization?

SECTION-C

7. Briefly discuss the control of cotton material coming into the blow room for the correct selection and mixing.

8. How can you control the production cost in weaving?

9. State some of the fabric faults which are basically occurred due to spinning faults.