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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(Textile Engg.) (2011 Onwards) (Sem.-6)

PROCESS CONTROL IN TEXTILES

Subject Code : BTTE-602

M.Code : 71736

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) State the objective of process control in yarn manufacturing.
- b) How you can calculate cleaning efficiency of Carding? Mention also norms of waste generation of Carding.
- c) How can you calculate cost of clean cotton?
- d) Describe yarn package defects.
- e) Mention the various yarn faults.
- f) What are the objectives of machinery audit in textile mill?
- g) Mention standard waste norms of any two modern mixing and cleaning machines of blow room line.
- h) What are causes of higher end breakage rate in ring frame, briefly explain?
- i) What are standard norms for settings, spreads and production rate of any high production loom?
- j) Define bale management. How it helps in improving the quality of yarns?

SECTION-B

2. Comments on the instrumental evaluation of cotton. Describe some control measures of yarn realization.
3. What are the reasons of contamination of Indian cotton? How it effects on waste removal efficiency at blow room and carding?
4. Discuss the various factors to control the productivity in warping shed.
5. Discuss the various factors to control the productivity in loom shed.
6. Describe briefly the points to be considered for controlling productivity & quality in sizing process.

SECTION-C

7. Describe various important fabric faults. How these faults can be controlled in weaving? How can you do the grey fabric inspection?
8. Describe in detail of norms of hard waste in textile process. How can you reduce the consumption of accessories in loom shed?
9. Write short notes on following :
 - a) Pirn winding.
 - b) Norms for cause wise defects in grey fabrics control.
 - c) Causes of loom stoppage.

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.