

Roll No.

8581

Printed Pages : 2

BT-5 / D 12

FABRIC MANUFACTURE-III

Paper-TT-305

Time allowed : 3 hours] [Maximum marks : 100

Note : (i) Attempt any five questions taking at least one question from each unit.

(ii) All questions carry equal marks.

Unit-I

1. Compare between Single phase and Multiphase weaving. With the help of neat diagrams discuss the working principle of multi phase looms having warp phase and weft phase insertion system. 4+16
2. Distinguish between projectile and jet looms. With the help of neat diagrams discuss the working principle of air jet and water jet looms. 4+16

Unit-II

3. What do you mean by "Yarn ballooning" ? Discuss the physics of yarn ballooning and its importance in weft insertion system of unconventional loom. 4+12+4

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(2)

4. Discuss the theoretical analysis of weft insertion in shuttleless looms. Also analysis of yarns motion in air jet weaving to be made. 12+8

Unit-III

5. Compare between Denim and velvet weaving. With the help of neat sketches describe the working principle of velvet manufacturing. 4+16
6. Compare between Electronic dobby and Electronic Jacquard. With the help of neat sketches show the working principle of Electronic dobby and Electronic jacquard. 4+16

Unit-IV

7. What are the raw materials used for non-woven fabric ? Also discuss the fibre properties requirements for non-woven fabrics with the help of neat sketches describe the production technology non woven fabric. 2+2+16
8. Compare between adhesive bonded and mechanical bonded non woven fabric. With the help of neat diagrams discuss the working principle of mechanical and adhesive bonded fabric. 4+16

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