



SE-8308

B. E. III (Sem. V) (T. T.) Examination

May / June – 2011

Textile Manufacturing Processes

(Institute Elective - II) (New Course)

Time : 3 Hours]

[Total Marks : 100

Instructions :

नीचे दशावेद निशानीवाणी विगतो उत्तरवडी पर अवश्य क्षपवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B. E. 3 (Sem. 5) (T.T.)

Name of the Subject :
Textile Manufacturing Processes (New)

Subject Code No. : 8 3 0 8 Section No. (1, 2,.....) : 1&2

Seat No. :

Student's Signature

- Answers to the **two** sections must be written in **same** answer books.
- Figures to the **right** indicate **full** marks.

SECTION I

- Q.1** a) Answer the following **objective** questions. (10)
- Where does twisting exactly take place in ring frame? (1)
 - Mention any two types of knife used for cutting a fabric. (2)
 - Write the importance of drafting system in ring spinning. (1)
 - The production in Rotor spinning is much higher than in Ring Spinning. – (1)
Write True or False
 - What is the use of traveller ? (1)
 - Mention any two methods/types of Open-end Spinning. (2)
 - Define yarn count. (1)
 - The minimum no. of fibers in the yarn cross section is _____ for (1)
rotor yarns than for ring yarns.
- b) Describe with neat diagram working of Air jet Spinning. (10)
- Q.2** a) Write in detail - Dref Spinning. (10)
- b) Write short note on - Flow chart of Quality Control. (05)

OR

- Q.2** a) Describe with neat diagram working of Rotor Spinning. (10)
- b) Write in detail – Working of subcontractor. (05)
- Q.3** Write short notes on **any three** of the following (15)
- Role of Marketing Department
 - Drafting system of Ring Spinning
 - Working of Designing Department
 - Cutting of Fabric

SECTION II

- Q.4** a) Answer the following objective questions. (10)
- i) _____ is required for water jet weaving. (1)
 - ii) What is knitting? (1)
 - iii) Write in brief importance of Draft and Lifting plan. (2)
 - iv) _____ is the fundamental unit of a knitted structure that is formed by “kinking” (bending) of the yarn. (1)
 - v) _____ weave is used to a greater extent than any other weaves. (1)
 - vi) _____ weave produces the simplest form of interlacing. (1)
 - vii) State any two types of needles used in knitting machine. (2)
 - viii) Give definition of non woven fabric. (1)
- b) Explain in detail Water Jet Weaving (10)
- Q.5** a) Write in detail of Warp Knitting. (10)
- b) Explain in detail different kind of fabric weaves. (05)

OR

- Q.5** a) Write in detail of Air jet Weaving. (10)
- b) Describe construction of Drafts and Lifting Plans. (05)
- Q.6** Write short notes on **any three** of the following. (15)
- a) Various Weft insertion systems
 - b) Weft Knitting
 - c) Relative firmness of Twill weaves
 - d) 1/3, 3/2 Twill