



SE-6285

**B. E. II (Sem - III) (Textile Technology &  
Textile Processing) Examination**

April / May – 2011

**Elements of Textile Technology & Processing**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दृश्यावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य बपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. E. 2 (Sem - 3)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Elements of Textile Technology &amp; Processing"/>	<input type="text"/>
Subject Code No. : <input type="text" value="6"/> <input type="text" value="2"/> <input type="text" value="8"/> <input type="text" value="5"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="1&amp;2"/>	<input type="text"/>
	Student's Signature

- (2) Answers to the two sections must be written in separate answer books.  
(3) Figutes to the right indicate full marks.  
(4) Tie two sections separately.

**SECTION - I**

- 1 (a) Answer the following in brief :
- |  |   |
|--|---|
| (1) Define Tex.                                    | 2 |
| (2) Give the objects of Blowroom.                  | 2 |
| (3) Enlist the main two purposes of winding.       | 2 |
| (4) Name any two modern yarn production methods.   | 2 |
| (5) Give the flow chart for obtaining combed yarn. | 2 |
- (b) State the objects of Scutcher. With the help of neat sketches describe the passage of material through it. 10
- 2 (a) With the help of neat sketch give a brief description of knife roller gin. 5
- (b) With the help of neat sketch describe the passage of material through card. 10

**OR**

- 2 (a) With the help of neat sketch, briefly describe Airjet Texturing. 5
- (b) With the help of neat sketch, describe briefly the objects and main parts of ring frame. 10

- 3** Write short notes : (any **three**) **15**
- (1) Drum traverse
  - (2) Drawing-in
  - (3) Lubricants and Softeners
  - (4) Knitting.

### SECTION - II

- 4** (a) Answer the following objective questions :
- (1) Dichlorotriazine dyes are also known as \_\_\_\_\_. 1
  - (2) Write principle of jet dyeing machine. 2
  - (3) Direct dyes have poor washing fastness. True/False. 1
  - (4) Reactive dyes form \_\_\_\_\_ bond with cotton fibre. 1
  - (5) Which surface active agents are used in the scouring ? 1
  - (6) How the rust stains are removed during grey inspection ? 2
  - (7) Write any two methods of stitching. 2
- (b) With a block diagram explain photoelectric detection system for electronic clearers. 5
- (c) Describe with neat sketch passage of yarn through automatic pirn winder. 5
- 5** (a) What is Desizing ? Explain 'Enzymatic Desizing' process in detail. 10
- (b) Describe the mechanism of 'Enzymatic Desizing'. 5

### OR

- 5** Discuss in detail the bleaching process with sodium chlorite. State drawbacks of sodium chlorite bleaching. 15
- 6** Write short notes on : (any **three**) 15
- (1) Grey inspection and stitching
  - (2) Stitching
  - (3) Acid desizing
  - (4) Gas singeing.