



KD-6285

**B. E. II (Sem. III) (TT & TP) Examination
December – 2012**

Elements of Textile Technology & Processing

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दर्शायेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. 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. II (Sem. III) (TT & TP)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Elements of Textile Technology & 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&2"/>	<input type="text"/>
	Student's Signature

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

SECTION - I

- 1 (a) Answer the following in brief :
- (i) Enlist the objects of Ring frame. 2
 - (ii) Why doubling is done at draw frame ? 2
 - (iii) Draw a neat sketch of Krischner and 2-bladed beater used in scutcher. 2
 - (iv) Give the significance of ginning process. 2
 - (v) Enlist the main steps involved in garment manufacturing. 2
- (b) With the help of neat sketch describe the passage of material through porcupine opener. 10
- 2 (a) With the help of neat sketch briefly describe false twist texturing. 5
- (b) With the help of neat sketch describe the passage of material through draw frame. 10

OR

- 2 (a) With the help of neat sketch, briefly describe saw gin. 5
 (b) With the help of neat sketch, describe briefly the objects and main parts of speed frame. 10
- 3 Write short notes on : (any three) 15
 (i) Sizing ingredients
 (ii) Capacitance type clearer
 (iii) Package factors
 (iv) Primary motions.

SECTION - II

- 4 (a) Answer the following objective questions :
 (i) Dichloro triazine dyes are also known as _____ 1
 (ii) Write principle of jet dyeing machine. 2
 (iii) Direct dyes have poor washing fastness. True/False. 1
 (iv) Reactive dyes form _____ bond with cotton fibre. 1
 (v) How the rust stains are removed during grey inspection. 1
 (vi) Write any two methods of stitching. 2
 (vii) Give the classification of reactive dyes. 2
 (b) Give the classification of weaving machines. 5
 (c) Explain in brief the basic parameters that are essential for every woven fabric. 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
 (i) Grey inspection and stitching
 (ii) Stitching
 (iii) Acid desizing
 (iv) Auxiliary motions.