



RN-8175

B. E. II (Sem. IV) (T.P. & T.T.) Examination

May / June - 2010

Elements of Textile Processes

(Institute Elective - I) (New Course)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दर्शाविए 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="checkbox"/> B. E. 2 (Sem. 4) (T.P. & T.T.)	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="checkbox"/> Eleme. of Tex. Proc. (Institute Elective - 1) (New)	<input type="text"/>
Subject Code No. : <input type="text"/> 8 <input type="text"/> 1 <input type="text"/> 7 <input type="text"/> 5	<input type="text"/>
Section No. (1, 2,.....) : <input type="text"/> 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 of the question.
- (4) Tie **two** sections separately.

### SECTION - I

- 1 (a) Answer the following objective questions : 10
- (i) Raw fabric received from weaving department is known as \_\_\_\_\_ fabric.
- (ii) Bleaching is nothing but the removal of impurities from the fabric - True or False.
- (iii) The object of desizing is to remove starch -True or False.
- (iv) Pressure \_\_\_\_\_ is used for scouring of cotton fabrics.
- (v) Bleaching with chlorine based bleaching agent is known as \_\_\_\_\_.
- (vi) Define what is dyeing.
- (vii) Which dyes is used for dyeing polyester ?
- (viii) What is the direct style of printing ?
- (ix) What is meant by light shade ?
- (x) What is the discharge style of printing ?
- (b) Enlist various unit operations carried out in bleaching department. 5
- (c) Give properties and application of direct dyes. 5

- 2 How printing differ from dyeing. Differentiate style of printing and method of printing. Explain different style of printing. 15

OR

- 2 Describe with neat diagram any one method of mercerization. 15
- 3 Write short notes on any **three** of the following : 15
- (a) Grey checking / Grey inspection
  - (b) Souring
  - (c) Oxidation colours
  - (d) Pigment.

### SECTION – II

- 4 (a) Answer the following objective questions : 10
- (i) State of objects of Draw Frame.
  - (ii) Name the mechanism provided on scutcher for obtaining even lap.
  - (iii) Give the flow chart for obtaining carded yarn.
  - (iv) What do you mean by Doubled yarn ?
  - (v) Define : Denier.
  - (vi) Gate tensioner is \_\_\_\_\_ type of tensioner.
  - (vii) \_\_\_\_\_ warping is used when there is no need for any additional treatment on when short runs or complicated patterns are being processed.
  - (viii) Sizing is required for weft-yarn - True or False.
  - (ix) The weft used on plain power loom is wound on \_\_\_\_\_.
  - (x) Name primary motions of loom.
- (b) Explain in brief the objects of winding. Also describe with help of neat sketches functions of basic components of a winder. 10
- 5 (a) State the objects of Ginning. With the help of neat sketch, describe any one ginning machine. 8
- (b) With the help of neat sketch, describe the passage of material through comber. 7

OR

- 5 (a) Describe working of a carding engine with the help of neat sketch. 8
- (b) With the help of neat sketch, describe briefly the main parts of ring frame. 7
- 6 Write short notes on any **three** of the following : 15
- (a) Drafting systems on draw frame
- (b) Sizing ingredients
- (c) Methods of yarn joining
- (d) Drawing-in and tying-in.
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