



SE-7485

**B. E. - IV (Sem - VII) (Textile Processing)  
Examination**

May / June - 2011

**Technology of Finishing - I**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दृष्टावेव निशानीवाणी विगतो उत्तरवडी 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. - IV (Sem - VII) (Textile Processing)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Technology of Finishing - I"/>	<input type="text"/>
Subject Code No. : <input type="text" value="7"/> <input type="text" value="4"/> <input type="text" value="8"/> <input type="text" value="5"/>	<input type="text"/>
Section No. (1, 2,...): <input type="text" value="1"/> <input type="text" value="2"/>	<input type="text"/>
	Student's Signature

- (2) Answers to the **two** sections must be written in **same** answer book.  
(3) Figure to the **right** indicate **full** marks.

**SECTION - I**

- 1 (a) Answer the following objective questions. 10
- (i) What is maltose ?
- (ii) The main limitation for the use of BTCA is \_\_\_\_\_.
- (iii) Expand APO to its full form.
- (iv) \_\_\_\_\_ is used to generate foam.
- (v) Collars and cuffs require \_\_\_\_\_ and \_\_\_\_\_ treatments.
- (vi) Complete this sentence "A good cloth always \_\_\_\_\_."
- (vii) The machine used for back skimming is \_\_\_\_\_.
- (viii) Name two inherent qualities of cotton.
- (ix) Define : Ignition.
- (b) What is difference between antcrease finishing and wash-n-wear finishing? Describe the chemistry with salient features of any four cross linking agents. 10
- 2 (a) Describe the chemistry of starch. 5
- (b) Describe in detail the velvet finishing. 10

OR

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[Contd...

- 2 Discuss various techno-ecological aspects of formaldehyde free anticrease finishes. 15
- 3 Write short notes on any **three** of the following. 15
- (a) Organdie Finish
  - (b) F.R. Theories
  - (c) Fillers
  - (d) Trubenising.

## SECTION - II

- 4 (a) Answer the following objective questions. 10
- (i) Define what bonding is?
  - (ii) A roasted starch is known as \_\_\_\_\_.
  - (iii) \_\_\_\_\_ are the elasticated areas of garments.
  - (iv) A rustling crackle of silk is characterized by \_\_\_\_\_ effect.
  - (v) Making a garment from different lots of fabric may result into \_\_\_\_\_ kind of fault.
  - (vi) \_\_\_\_\_ softeners are mostly preferable for white garments of cellulose, wool and polyamides.
  - (vii) Define : Gelatinization of starch.
  - (viii) High foam stability is desired in foam finishing- True or False.
  - (ix) \_\_\_\_\_ foam is used in flame lamination.
  - (x) Wool has high resiliency. True or False, justify.
- (b) Explain in detail about coating bonding and lamination processes. 10
- 5 (a) Describe the techno-chemical aspects of various soil resistant and soil release finishes. 10
- (b) Explain in detail about DP Finishing-process. 5

**OR**

- 5 Give an overview on objectives and classification of finishing. 15  
Describe the inherent properties of cotton for its finishing.

- 6** Write short notes on any **three** of the following. **15**
- (a) Advantages and disadvantages of bio-polishing
  - (b) Mildew proofing
  - (c) Dextrin
  - (d) Inherent qualities of linen in context to finishing.
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