



RN-7485

B. E. - IV (Sem. VII) (Textile Processing) Examination
May / June - 2010
Technology of Finishing - I

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दर्शायेले 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. - 4 (Sem. 7) (T. P.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Technology of Finishing - 1"/>	<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&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 objective questions. 10
- (i) _____ is the repeating unit of starch.
- (ii) A roasted starch is known as _____.
- (iii) Expand APO to its full form.
- (iv) A rustling crackle of silk is characterized by _____ effect.
- (v) Collars and cuffs require _____ and _____ treatments.
- (vi) Complete this sentence "A good cloth always _____".
- (vii) Define : Gelatinization of starch.

- (viii) Name two inherent qualities of cotton.
- (ix) Define : Ignition.
- (x) Wool has high resiliency. True or false. justify
- (b) Describe the techno-chemical aspects of various soil resistant and soil release finishes. **10**
- 2** (a) What is the difference between antcrease finishing and wash-n-wear finishing? Describe the chemistry with salient features of any four cross linking agents. **10**
- (b) Describe the chemistry of starch. **5**

OR

- 2** Give an overview on objectives and classification of finishing. Describe the inherent properties of cotton for its finishing. **15**
- 3** Write short notes on any **three** of the following : **15**
- (a) Erick Kissa's theory
- (b) Trubenising
- (c) Fillers
- (d) F.R. Theories

SECTION - II

- 4** (a) Answer the following objective questions. **10**
- (i) Define what bonding is.
- (ii) The main limitation for the use of BTCA is _____.
- (iii) _____ are the elasticated areas of garments.
- (iv) The enzymes used for better colouration of PAN fibres are_____.
- (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) The machine used for back skimming is _____.
- (viii) High foam stability is desired in foam finishing - True or false.
- (ix) _____ foam is used in flame lamination.
- (x) _____ is used to generate foam.
- (b) Explain in detail about coating, bonding and lamination processes. **10**
- 5** (a) Describe in detail the velvet finishing. **10**
- (b) Explain in detail about DP Finishing - process. **5**

OR

- 5** Discuss various techno-ecological aspects of formaldehyde free anticrease finishes. **15**
- 6** Write short notes on any **three** of the following: **15**
- (a) British gum
- (b) Mildew proofing
- (c) Advantages and disadvantages of bio-polishing
- (d) Perchmentization process.
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