



SF-7873

B. E. IV (Sem. VIII) (T.P.) Examination

May / June - 2011

Technology of Finishing - II

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दशांशविक निशानीवाणी विगतो उत्तरवडी पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. Arch. 4 (Sem. 8) (T.P.)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Technology of Finishing - 2"/>	<input type="text"/>
Subject Code No. : <input type="text" value="7"/> <input type="text" value="8"/> <input type="text" value="7"/> <input type="text" value="3"/>	<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 same answer book.  
(3) Figures to the **right** indicate full marks.

SECTION - I

- 1 (a) Answer the following objective questions. 10
- Molecular orientation in synthetic fibres is achieved in \_\_\_\_\_ process.
  - \_\_\_\_\_ is imparted in heat setting of Polyester.
  - Water act as \_\_\_\_\_ during aqueous heat setting of Nylon.
  - Dry heat setting is carried out in \_\_\_\_\_ machine.
  - Heat transfer in cylinder drying take place through \_\_\_\_\_.
  - Relaxation of twist results into \_\_\_\_\_ of yarn.
  - \_\_\_\_\_ wave length of I.R. is suitable for drying.
  - During aqueous or steam heat setting, fabric undergoes oxidative degradation. True or False. Justify.
  - Knitted goods are mostly heat set at \_\_\_\_\_ stage.
  - Drum dryer is also known as \_\_\_\_\_.
- (b) Give a brief account on the object and importance of heat setting of polyester. 10
- 2 (a) Describe in detail the working of one conduction type dryer. 10

(b) Give brief outline on object of drying. 5

**OR**

2 Describe the working of hydro extractor and vacuum extractor. 15

3 Write short notes on any **three** of the following : 15

- (a) Rapid heat setting
- (b) Butti dryer
- (c) Heat setting with dry heat
- (d) Effect of heat setting on dye uptake.

**SECTION - II**

4 (a) Answer the following objective questions. 10

- (i) The ledger blade is used in \_\_\_\_\_ machine.
- (ii) The soap concentration for soap milling is \_\_\_\_\_.
- (iii) Woolen fabrics are set by a rearrangement of \_\_\_\_\_ bonds.
- (iv) In schreiner calender how many lines are engraved per c.m ?
- (v) Define London shrinkage
- (vi) Define compressive shrinkage.
- (vii) What is Spout ?
- (viii) What is the pH of Acid milling solution ?
- (ix) What is spun glass finish ?
- (x) Give the name of different Raising machines.

(b) What is damping ? Describe different damping machines with neat diagram. 10

5 What is milling ? Explain various processes for milling of wool in detail. 15

**OR**

5 Explain the principle of compressive shrinkage. 15  
Describe Sanforising and Rigmel finishing process in detail with neat sketch.

6 Write short notes on any **three** of the following : 15

- (a) Shearing
- (b) Chasing calendar
- (c) Napping
- (d) Potting.