



SF - 6605

B. E. II (Sem. IV) (Textile Tech.) Examination

May / June - 2011

**Textile Processing - I
(Old Scheme)**

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B. E. 2 (SEM. 4) (TEXTILE TECH.)

Name of the Subject :
TEXTILE PROCESSING - 1 (OLD SCHEME)

Subject Code No. : 6 6 0 5 Section No. (1, 2,.....): Nil

Seat No. :

Student's Signature

(2) Figures to the **right** indicate **full** marks.

- 1 (a) Answer the following objective questions. **10**
- Give example of any two natural impurities.
 - Enlist different methods for measurement of efficiency of desizing.
 - There are three types of impurities in cotton _____, _____ and _____.
 - Enlist different oxidative desizing methods.
 - What is the purpose of scouring ?
 - Which pre-cleaning process of cotton follows the principle same as the grass cutter ?
 - In gas singeing the rollers are heated with gas burners. True or False. Justify
 - Desizing with chlorine is also known as _____.
 - For semi-continuous scouring _____ system is employed.
 - What is the function of chelating agents in scouring ?
- (b) Explain Oxidative desizing methods in detail. **10**

- 2 (a) Explain working of Shearing and cropping machine with neat sketch. 8
- (b) Describe working of pressure kier with neat diagram. Give recipe for scouring in kier. 7

OR

- 2 (a) Enlist objectives of mercerization and explain yarn mercerization in detail. 8
- (b) Describe the role of various ingredients used in scouring. 7

- 3 Write short notes on any **three** of the following : 15
- (a) Lock and Key mechanism
- (b) Vaporloc unit
- (c) Properties and bleaching action of hydrogen peroxide
- (d) Chemicking

- 4 (a) Answer the following objective questions : 10
- (i) Give classification of reactive dyes.
- (ii) Azoic dyes are also known as ingrain dyes. True/False.
- (iii) Write name of any two cheese dyeing machines.
- (iv) What is the function of common salt in reactive dyeing?
- (v) When vat dyes are converted into soluble form, its called_____.
- (vi) Malt enzymes are obtained from vegetables. True or False. Justify.
- (vii) For scouring in batchwise form which machines are used ?
- (viii) If cotton fabric is mercerized in tension free condition its _____ increases.
- (ix) Mercerization process was named after its inventor_____.
- (x) Enzymes are _____ catalyst.
- (b) Explain working of Winch dyeing machine in detail with neat sketch. 10

- 5 (a) Explain working of jigger dyeing machine in detail with neat diagram. 10
- (b) Give detail classification of Vat dye. 5

OR

- 5 Describe in detail, various methods for application of reactive dyes on cotton. 15
- 6 Write short notes on any three of the following : 15
- (a) Azoic colour
 - (b) Application of Basic dyes on cotton.
 - (c) Chlorine desizing
 - (d) Plate singeing.
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