



KC-8153

B. E. II (Sem. III) (Textile Technology) Examination
November/December – 2012
Textile Processing - I
(New Scheme)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दशांशिक निशान्चीवाणी विगतो उत्तरवडी पर अवश्य कर्तवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
B. E. II (Sem. III) (Textile Technology)

Name of the Subject :
Textile Processing - I (New)

Subject Code No. : 8 1 5 3 Section No. (1, 2,.....): 1&2

Seat No. :

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
- Shearing cropping removes short protruding fibers. True or False. Justify.
 - What is the function of sequestering agent in kier ?
 - A solution of hydrogen peroxide may be estimated by the _____ method.
 - Write any two methods of stitching.
 - _____ is used as a desizing agent in chlorine desizing.
 - Pancreatic enzymes are obtained from vegetables. True or False. Justify.
 - For scouring in continuous form which machines are used ?
 - If cotton fabric is mercerized in tension, its _____ increases.

- (ix) Mercerization process was named after its inventor _____.
- (x) Enzymes work on _____ principle.
- (b) Give classification of bleaching agents. Write about any two methods for sodium hypochlorite bleaching. **10**
- 2** Give classification of desizing. Explain enzymatic desizing in detail. **15**
- OR**
- 2** What is the purpose of singeing ? Describe roller and gas singeing machine with neat diagram. **15**
- 3** Write short notes on any three of the following : **15**
- (a) Scouring of coloured woven goods.
- (b) Mercerization
- (c) Shearing and Cropping
- (d) J – Box

SECTION – II

- 4** (a) Answer the following objective questions : **10**
- (i) What is the function of soda ash in reactive dyeing ?
- (ii) Give any two names of hank dyeing machines.
- (iii) Which insoluble dyes can be applied to the cotton ?
- (iv) Reactive dyes form _____ bond with cotton fibre.
- (v) Mono chloro triazine dyes are also known as _____
- (vi) Enlist different methods for measurement of efficiency of mercerization.
- (vii) There are three types of impurities in cotton _____, _____ and _____.
- (viii) Enlist different oxidative desizing methods.
- (ix) What is the purpose of scouring ?
- (x) Which pre-cleaning process of cotton follows the principle same as the grass cutter ?
- (b) Explain dyeing of cotton with Direct dye in detail. **10**
Describe any two after treatments for improve fastness properties of direct dye.

- 5 (a) Explain different methods for dyeing of cotton with reactive dye. 10
(b) Give detail classification of Reactive dye. 5

OR

- 5 Give detail classification of vat dye. Explain different methods for dyeing of vat dye on cotton. 15
- 6 Write short notes on any three of the following : 15
(a) Clauder - weldone fibre dyeing machine.
(b) Solublised Vat dyes
(c) Acid steeping
(d) Vaporloc unit.
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