



SE-8153

B. E. II (Sem. III) (T.T.) Examination

May / June - 2011

Textile Processing - I  
(New Course)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दृशविल निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
B. E. 2 (Sem. 3) (T.T.)

Name of the Subject :  
Textile Processing - 1 (New)

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

Seat No. :  
[ ] [ ] [ ] [ ] [ ] [ ]

Student's Signature

- Answers to the **two** sections must be written in **same** answer book.
- 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.
  - Mercerization process was named after its inventor -----.
  - 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

Q.2 What is the purpose of singeing? Describe roller and gas singeing machine with neat diagram. (15)

Q.3 Write short notes on **any three** of the following. (15)

- a) Scouring of coloured woven goods.
- b) Mercerization
- c) Shearing & Cropping
- d) J – Box

SECTION II

Q.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. Describe any two after treatments for improve fastness properties of direct dye. (10)

Q.5 a) Explain different methods for dyeing of cotton with reactive dye. (10)

b) Give detail classification of Reactive dye. (05)

OR

Q.5 Give detail Classification of vat dye. Explain different methods for dyeing of vat dye on cotton. (15)

Q.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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