



RM-7207

B. E. - III (Sem. VI) (Textile Technology)

Examination

May / June - 2010

Textile Processing - III

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

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

Name of the Examination :
B. E. - 3 (Sem. 6) (Textile Technology)

Name of the Subject :
Textile Processing - 3

Subject Code No. : 7 2 0 7 Section No. (1, 2,.....): 1&2

Seat No. :

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) Why resist salt is not used in nylon printing ?
- (ii) Name the thickener most commonly used for printing of polyester.
- (iii) Why a mild oxidizing agent is incorporated in polyester printing ?
- (iv) Write any two name of discharging agents.
- (v) What is the function of sodium chlorate in nylon printing ?
- (vi) Give any two names of acid liberating agents.
- (vii) Give fixation condition for High pressure steaming fixation of Polyester printing.
- (viii) Reduction clearing treatment is necessary for _____ fibre.
- (ix) What is Ekaline FI ?
- (x) What is the function of urea in polyester printing?
- (b) Describe white and colour discharge printing of polyester in detail. 10

- 2 (a) Explain the process for direct printing of nylon fabric with two major classes of dyes. 10
(b) Discuss direct style of printing of CDPET. 5

OR

- 2 Explain printing of wool with different classes of dyes in detail. 15
- 3 Write short notes on any three of the following : 15
(a) Stenters
(b) Cationic softeners
(c) Flame retardancy
(d) DP finish.

SECTION - II

- 4 (a) Answer the following objective questions : 10
(i) Give the chemical structure of Lubrol W.
(ii) Give an example of cationic softener.
(iii) Give the full name of APO.
(iv) Give any two advantages of cationic softeners.
(v) Polyethylene emulsion is a non ionic softener. True or False.
(vi) Who invented the Sanforising finish ?
(vii) Enlist any two trade name of nonionic softeners.
(viii) Give the chemical structure of SAFAMINE A.
(ix) Give the chemical structure of TRITAN K.
(x) Give the full name of DMDHEU.
(b) Describe Potting and decatizing in detail. 10
- 5 (a) What is calendaring ? Explain any two calendar in detail with neat sketch. 10
(b) Describe Buti dryer with neat sketch. 5

OR

- 5 Explain various mechanisms of soiling. Describe soil release finish in detail. 15
- 6 Write short notes on any **three** of the following : 15
(a) Sanforising
(b) Grease milling
(c) Water proofing
(d) Festoon dryer.