



RN-8153

B. E. II (Sem. III) (Textile Technology)

Examination

May / June – 2010

Textile Processing - I

(New Scheme)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

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

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

Name of the Subject :
Textile Processing - 1

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 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) Give example of any two natural impurities.
- (ii) Enlist different methods for measurement of efficiency of desizing ?
- (iii) There are three types of impurities in cotton _____, _____ and _____.
- (iv) Enlist different oxidative desizing methods.
- (v) What is the purpose of scouring ?
- (vi) Which pre-cleaning process of cotton follows the principle same as the grass cutter ?
- (vii) In gas singeing the rollers are heated with gas burners. TRUE OR FALSE. Justify.
- (viii) Desizing with chlorine is also known as _____.
- (ix) For semi-continuous scouring _____ system is employed.
- (x) What is the function of chelating agents in scouring ?
- (b) Explain oxidative desizing methods in detail. 10

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

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.

SECTION – II

- 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, they are 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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