



UH-8153

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

May\June - 2012

Textile Processing - I

(New Course)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दर्शायेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपनी. Fillup strictly the details of signs on your answer book.	Seat No.:
Name of the Examination :	<input type="text"/>
B. E. - II (Sem. - III) (Textile Technology)	<input type="text"/>
Name of the Subject :	<input type="text"/>
Textile Processing - I	<input type="text"/>
Subject Code No. : <input type="text" value="8"/> <input type="text" value="1"/> <input type="text" value="5"/> <input type="text" value="3"/>	<input type="text"/>
Section No. (1, 2,...): <input type="text" value="1,2"/>	
Student's Signature	

- (2) Answers 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
- (i) Enlist different methods for measurement of efficiency of mercerization ?
 - (ii) There are three types of impurities in cotton _____, _____ and _____.
 - (iii) Enlist different oxidative desizing methods.
 - (iv) What is the purpose of scouring ?
 - (v) Which pre-cleaning process of cotton follows the principle same as the grass cutter ?
 - (vi) Due to mercerization, the cross section of cotton changes from _____ to _____.
 - (vii) What is the purpose of bleaching ?
 - (viii) Which surface active agents are used in the scouring.
 - (ix) How the rust stains are removed during grey inspection.
 - (x) Write any two methods of stitching.
- (b) Write a note on scouring ingredients. 10

- 2 (a) Draw the sequence of processes carried out on grey cotton cloth. Write a note on grey inspection and stitching operation. 10
- (b) Write about effect of various parameters on stability and bleaching action of hypochlorite bleaching. 5

OR

- 2 (a) Discuss important parameters for mercerization in detail. 10
- (b) Write a note on bromite desizing. 5
- 3 Write short notes on any **three** of the following : 15
- (a) Gas singeing.
- (b) Classification and working of enzymes.
- (c) Impurities in cotton.
- (d) Open kier.

Section - II

- 4 (a) Answer the following objective questions : 10
- (i) Dichloro traizine dyes are also known as _____.
- (ii) Write principle of jet dyeing machine.
- (iii) Direct dyes have poor washing fastness. True/False.
- (iv) Reactive dyes form _____ bond with cotton fibre.
- (v) Write name of any two loose cotton dyeing machines.
- (vi) Shearing cropping removes short protruding fibers. True or False. Justify.
- (vii) What is the function of sequestering agent in kier?
- (viii) A solution of hydrogen peroxide may be estimated by the _____ method.
- (ix) Write any two natural impurities.
- (x) _____ is used as a desizing agent in chlorine desizing.
- (b) Explain in detail the 'Application of Azoic dyes on cotton'. 10
- 5 (a) Discuss various factors affecting cold brand reactive dyes in detail. 10
- (b) Wooden vat hank dyeing machine. 5

OR

- 5 Give the classification of colouring matters. Explain in detail application of sulphur dyes on cotton material. 15
- 6 Write short notes on any **three** of the following : 15
- (a) Vat acid process.
- (b) After treatments for direct dyes.
- (c) Recuperator.
- (d) Yarn Mercerization.