



RM-6605

B. E. - II (Sem. IV) (Textile Technology) Examination
May / June - 2010
Textile Processing-I

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.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="B. E. - 2 (Sem. 4) (Textile Technology)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Textile Processing-I"/>	<input type="text"/>
Subject Code No. : <input type="text" value="6"/> <input type="text" value="6"/> <input type="text" value="0"/> <input type="text" value="5"/>	Section No. (1, 2,.....): <input type="text" value="1&2"/>
	<input type="text" value="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
- (1) Pancreatic enzymes are obtained from vegetables. TRUE OR FALSE JUSTIFY.
 - (2) For scouring in continuous form which machines are used ?
 - (3) If cotton fabric is mercerized in tension, its _____ increases.
 - (4) Mercerization process was named after its inventor _____.
 - (5) Enzymes work on _____ principle.
 - (6) Which pre-cleaning process of cotton follows the principle same as the grass cutter ?
 - (7) In gas singeing the rollers are heated with gas burners. TRUE OR FALSE. Justify.
 - (8) Desizing with chlorine is also known as _____.

- (9) For semi-continuous scouring _____ system is employed.
- (10) What is the function of chelating agents in scouring ?
- (b) Explain oxidative desizing methods in detail. 10
- 2 (a) Enlist objectives of mercerization and explain yarn mercerization in detail. 8
- (b) Describe working of pressure kier with neat diagram. 7
Give recipe for scouring in kier.

OR

- 2 (a) Explain working of shearing and cropping machine with neat sketch. 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) Impurities in cotton
- (c) Open kier
- (d) Chemicking.

SECTION-II

- 4 (a) Answer the following objective questions : 10
- (1) Dichloro triazine dyes are also known as _____.
- (2) Write principle of jet dyeing machine.
- (3) Direct dyes have poor washing fastness. True/False
- (4) Reactive dyes form _____ bond with cotton fibre.
- (5) Write name of any two loose cotton dyeing machines.
- (6) Malt enzymes are obtained from vegetables. TRUE OR FALSE. JUSTIFY.
- (7) For scouring is batchwise form which machines are used ?
- (8) If cotton fabric is mercerized in tension free condition its _____ increases.
- (9) Mercerization process was named after its inventor _____.
- (10) 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 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) Azoic colour
(b) Acid steeping
(c) Vaporloc unit
(d) Plate singeing.
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