



SE-6905

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

Examination

April / May - 2011

Fabric Structure - I

(Old Course)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दशांशके निशान्तीवाणी विगतो उत्तरवही पर अवश्य लक्ष्मी. 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. III (Sem. V) (Textile Technology)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Fabric Structure - I (Old Course)"/>	<input type="text"/>
Subject Code No. : <input type="text" value="6"/> <input type="text" value="9"/> <input type="text" value="0"/> <input type="text" value="5"/>	Section No. (1, 2,.....) : <input type="text" value="1&2"/>
Student's Signature	

- (2) Answer to the two section must be written in separate answer books.
- (3) Figures to the right indicate full marks.
- (4) Tie two sections separately.

SECTION-I

- 1 (a) Do as directed : 5
- (i) Rib and cord effect is produced in hopsack. (State True or False)
- (ii) In the draft number of horizontal places are equal to _____.
- (iii) 90's reed is _____ than 120's reed.
- (iv) Ends/inch in reed are less than the fabric. (State True or False)
- (v) Hopsack is a basic weave. (State True or False)
- (b) Draw design, draft and peg plan for each of the following : 15
- (i) Modified hopsack
- (ii) Wavy twill (with pointed draft).

- 2 (a) Explain, with suitable diagrams, how (3/3) twill can be produced with intermediate effect. 6
- (b) Give one design of each of the 27° and 70° twill angle. 10
- (c) Draw **only designs** for the following : 3
- (i) Transposed 6/2 twill on 4 thread sateen order base.

OR

- 2 Draw only designs for each of the following : 15
- (i) Brighton Honeycomb
- (ii) Hopsack and Twill combination
- (iii) Mockleno
- (iv) Huck-a-back
- (v) Broken twill.
- 3 Write short notes on : (any three) 15
- (i) Relative firmness of twill weave
- (ii) Representation of draft on pag-plan
- (iii) Rib and Cord effect in plain weave (only one method of each)
- (iv) Importance of fabric analysis.

SECTION : II

- 4 (a) Give only designs for the following : 8
- (i) Regular sateen on 5×5 .
- (ii) Sponge weave.
- (iii) Diamond on 4×4 .
- (iv) Smallest irregular sateen.
- (b) Name any two warp faced fabrics. 2
- (c) Give design and cross sections for the following : 10
- Warp wadded welt
- Weft way distorted thread effect.
- 5 (a) Construct a spot on 30×40 . (given fabric specifications 32 epi and 32 ppi). Incorporate a plain pattern of distribution. 10
- (b) With the help of designs, distinguish between diamond and diaper. 5

OR

- 5 (a) With the help of designs, explain how the crepe weave can be constructed. 9
- (b) Discuss the rules for constructing irregular sateen. 6
- 6 Write short notes : (any **three**) 15
- (i) Voile and crepe fabrics
 - (ii) Welts and Piques
 - (iii) Classification of fabrics
 - (iv) Simple and compound fabrics.
-