



SF-8366

B. E. - III (Sem. - VI) (Textile Technology)
Examination
May/June - 2011
Advanced Fabric Structure & CAD
(New Syllabus)

Time : 3 Hours]

[Total Marks : 100

Instructions :

(1)

नीचे दशांशके निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी. 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. - 3 (SEM. - 6) (TEXTILE TECHNOLOGY)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="ADVANCED FABRIC STRUCTURE & CAD (NEW SYLLABUS)"/>	<input type="text"/>
Subject Code No. : <input type="text" value="8"/> <input type="text" value="3"/> <input type="text" value="6"/> <input type="text" value="6"/>	<input type="text"/>
Section No. (1, 2,.....) : <input type="text" value="1&2"/>	<input type="text"/>
	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) Do as Directed : 5
- (i) Divided draft is suitable for the drawing-in of Warp Back Cloths. (State true or false)
- (ii) Reed width is less than fabric width. (State true or false)
- (iii) Figuring fabric are compound fabrics. (State true or false)
- (iv) Corded velveteen is also called as corduroy. (State true or false)
- (v) Weft face weave is suitable for weft back fabric. (State true or false)
- (b) Draw only designs for the following : 6
- (i) Dog's tooth effect
- (ii) Compound check effect

- (c) Draw design, draft and pegplan for warp back cloth 9
(using 4/1 twill as a face weave and F:B=1:1)
- 2 Draw only Designs for the following : 15
- (i) Weft backed cloth with wadded warp
- (ii) Double cloth (stitching from face to back)
- (iii) Twill back velveteen (Draw cross section also).

OR

- 2 Draw only Designs for the following : 15
- (i) Wire Warp Pile
- (ii) Plain back velveteen with fast pile. (draw cross section also)
- (iii) Corduroy of double cord width (draw cross section also)
- 3 Write short notes on : (any **three**) 15
- (i) Jacquard designing
- (ii) Factors to be remember for Double cloth i.e selection weave, ratio and count of yarn.
- (iii) Different colour and weave effect in Hopsack.
- (iv) Wadded double cloth.

SECTION - II

- 4 (a) Give design, draft, pegplan and cross sections for the 6
following :
- (i) 3-pick terry
- (ii) 5-pick terry with fast pile anchorage
- (b) Illustrate the following : 4
- (i) Open Shed in leno weaving with a flat steel doup with an eye.
- (ii) Top and Bottom Douping.
- (c) With the help of examples, discuss how checks effect 10
can be obtained in terry fabrics.

- 5 (a) Discuss in detail, the special mechanisms required for weaving terry fabrics. 9
- (b) Give design, draft and pegplan of single continuous extra weft figuring. 6

OR

- 5 (a) Discuss the different methods of removing surplus extra threads in figuring fabrics. 8
- (b) Write a brief note on "Russian Cord" 7
- 6 Write short notes on : (any three) 15
- (a) Ornamentation in Terry Fabrics
- (b) Counter Leno
- (c) Dobby Design using CAD
- (d) Spot Effect.
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