



**RM-7205**

**B. E. III (Sem. VI) (T.T.) Examination**

**May / June – 2010**

**Fabric Structure - II**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दशांशविक 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"/>
<b>B. E. 3 (Sem. 6) (T.T.)</b>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<b>Fabric Structure - 2</b>	<input type="text"/>
Subject Code No. : <input type="text"/>	Student's Signature
<input type="text"/>	
<input type="text"/>	
<input type="text"/>	
Section No. (1, 2,.....) : <input type="text"/>	
<b>1&amp;2</b>	

- (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**

- Q1a.) Do as Directed: [05]
- Back Cloth is a Compound Fabric. ( State True or False).
  - Warp Crimp decides the reed width. (State True or False).
  - What is the function of wadded yarn.?
  - In the corded velveteen, tufts are arranged in the form of \_\_\_\_\_.
  - Combination of Compound Warping, Compound Wefting & Check weave gives \_\_\_\_\_ pattern.
- Q1b.) Draw only designs for the following: [05]
- Horizontal continuous line effect.
  - Step Pattern.
- Q1c.) Draw design, draft & pegplan for reversible warp back cloth. [06]
- Q1d.) Draw only design for compound check effect. [04]

- Q2a) Draw only Designs for the following: [09]  
i. Weft backed cloth with wadded warp.  
ii. Double cloth (stitching from face to back)  
iii. Twill back velveteen (ground weave 2/1, pile weave 1/2, G:P=1:3).

- Q2b) Explain how to decide size of Jacquard design. [06]

OR

- Q2a.) Draw only Designs for the following: [09]  
i. Interchanging Double Cloth (vertical effect).  
ii. Plain back velveteen with fast pile .(draw cross section also)  
iii. Corduroy of single width. (draw cross section also.)

- Q2b.) Explain Pile height, Pile Density & factors affecting it. [06]

- Q3 .) Write Short Notes on : (Any three) [15]  
i. Wire Warp Pile.  
ii. Comparison between warp figuring & weft figuring.  
iii. Different methods of removing surplus extra threads in the figuring fabric.  
iv. Difference between Warp backed & weft backed structure.

## SECTION II

- Q4a.) Do as Directed [05]  
i. The height of the loop is determined by the \_\_\_\_\_.  
ii. Name the different types of terry fabric.  
iii. Counter leno & Pointed draft are one & the same. (State True or False).  
iv. Give the construction of flat steel doup with a single eye.  
v. Give the function of fringing mechanism used in terry loom.

- Q4b.) Draw Design, Draft & Pegplan for extra warp figuring using one extra warp in a [08]  
continuous manner.

- Q4c.) With suitable design explain stitching of weft figuring by means of special end. [07]

- Q5a.) Discuss the special mechanisms required for weaving terry fabrics. [09]

- Q5b.) Discuss the construction & main characteristics of Russian Cord. [06]

OR

- Q5a.) With the help of examples, discuss how single & multi colour stripe effect can be [08]  
obtained in terry fabrics.

- Q5b.) With the help of neat sketch, explain the working of negative easing motion. [07]

Q6.) Write Short Notes on : (Any three)

[15]

- i. Basic shed formed in leno weaving with a flat steel doup with an eye.
  - ii. Special lifts of standard end
  - iii. Importance of reed width & tape Length.
  - iv. Importance of fabric structure & analysis.
-