

17336

21718

3 Hours / 100 Marks

Seat No.

--	--	--	--	--	--	--	--	--

- Instructions :**
- (1) All Questions are *compulsory*.
  - (2) Answer each next main Question on a new page.
  - (3) Illustrate your answers with neat sketches wherever necessary.
  - (4) Figures to the right indicate full marks.
  - (5) Assume suitable data, if necessary.
  - (6) Use design papers. (Inch graph paper)

**Marks**

1. Attempt any FIVE :

20

- (a) State the concept of following :
  - (i) EPI
  - (ii) PPI
  - (iii) EP.dm
  - (iv) P.P.Dm
- (b) Define the design with example.
- (c) Draw the design for  $\frac{3 \cdot}{\cdot 2}$  irregular warp rib.
- (d) State the concept of shadow effect.
- (e) State the feature of twill weave.
- (f) Draw the design for 5 end sateen weave.
- (g) Enlist the features of Huck-a-back fabrics.

**2. Attempt any TWO :****16**

- (a) (i) Define the following term :
- (1) Tex
  - (2) English count system
- (ii) Find the Ne for
- (1) 20 tex
  - (2) 150 denier
- (b) (i) Define “G.S.M.” and give the formula to calculate G.S.M. of fabric.
- (ii) Define :
- (1) Warp Cover Factor
  - (2) Welt Cover Factor
- (c) Draw the design, draft and peg plan
- (i)  $\frac{1}{1}$  Plain weave.
  - (ii)  $\frac{3}{2}$  warp rib in repeat of (2×5).

**3. Attempt any TWO :****16**

- (a) (i) State the concept of seersucker effect.
- (ii) State the methods to develop plain by using twist variation.

17336

[3 of 4]

- (b) (i) Classify the twill weave.
- (ii) Draw the design for  $\frac{3 \cdot 1}{\cdot 2 \cdot 1}$  continuous twill weave.
- (c) Compare between satin and sateen weaves over any eight points.

4. Attempt any TWO :

16

- (a) Draw the draft, design, peg plan, denting order for  $\frac{3 \cdot}{\cdot 4 \cdot}$  right hand twill weave.
- (b) (i) Compare between 'z' and 's' twill weave.
- (ii) Enlist the features of muck leno fabric.
- (c) Construct the Brighten honey comb on the repeat size of  $16 \times 16$ .

5. Attempt any TWO :

16

- (a) (i) Compare between ordinary honey comb and Brighten honey comb.
- (ii) Mark the design for  $10 \times 6$  Huck-a-back weave.
- (b) (i) Give the classification for backed cloth.
- (ii) State the features of Double cloth.
- (c) (i) Give the classification for welt structure.
- (ii) Mark the ordinary welt structure on 6 picks with ratio of 2 : 1.

P.T.O.

**6. Attempt any TWO :****16**

- (a) (i) State the features of warp backed fabrics.
  - (ii) State the functions of crow ends and standard end in leno weaving.
  - (b) (i) Give the classification for velveteens.
  - (ii) Compare between velvet and velveteens.
  - (c) Mark the following design on point paper
    - (i) 2 up 2 down matt and
    - (ii) 4 up 3 down matt weave in repeat of  $14 \times 14$ .
-