

17336

11718

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.

Marks

1. **Attempt any FIVE :**

20

- (a) Convert 100 EPI into equivalent EP.cm and convert 100 pp. cm into equivalent pp. dm.
- (b) State the concept of balanced and unbalanced fabric.
- (c) Mark 3/3 regular warp rib on design paper.
- (d) Explain 'Seersucker effect'.
- (e) Give the classification of twill weave.
- (f) State the difference between satin and sateen weave.
- (g) Enlist the method to develop crepe fabric.

2. **Attempt any TWO :**

16

- (a) Find the tex for following count :
 - (i) 20^S Ne (ii) 30^S Ne (iii) 150 Denier (iv) 300 Denier

- (b) (i) Give the quality parameters for
(a) Voile (b) Chiffon
- (ii) Enlist the various quality parameter of fabric.
- (c) Mark the design, draft and peg plan for any two weaves.
- (i) Plain weave
- (ii) 2 up, 2 down matt weave
- (iii) $\frac{3 \cdot}{.3}$ nest rib in repeat of (6×4)

3. Attempt any TWO :

16

- (a) (i) State the principle of shadow effect.
- (ii) Explain the procedure to ornament plain weave by using warp pattern.
- (b) Mark following design on point paper :
- (i) $\frac{3 \cdot}{.3}$ pointed twill weave
- (ii) 2 up and 2 down herring bone twill weave.
- (c) (i) Enlist various steps required to find move number for satin weave.
- (ii) Mark 6 end satin weave.

4. Attempt any TWO :

16

- (a) Construct the transposed twill weave on
- (i) 3 up 3 down twill weave
- (ii) Repeat size 6×6
- (iii) Transposed by 3
- (b) (i) Draw the design for balanced twill weave.
- (ii) Enlist the features of Huck-a-back fabrics.
- (c) Construct the ordinary honey comb weave on repeat of 8×8 .

5. Attempt any TWO :**16**

- (a) (i) Construct the design for 8×8 mock leno fabric.
- (a) (ii) Compare between ordinary honey comb and Brighten honey comb.
- (b) Mark the design, draft, pegplan and warp cross-sectional view for plain faced bed ford cord fabric.
- (c) (i) Give the classification for bed ford cord fabric.
- (c) (ii) Mark the ordinary welt structure on 8 picks with ratio of 2:1.

6. Attempt any TWO :**16**

- (a) (i) Compare between warp backed fabrics and welt backed fabrics.
 - (a) (ii) State the principle of leno weaving.
 - (b) (i) Give the classification for pile fabrics.
 - (b) (ii) Draw the following sheds of leno weaving :
 - (a) Plain (b) cross shed
 - (c) Draw the design for following weave :
 - (i) 4 up 4 down matt in 16×16 repeat.
 - (ii) 3 up 2 down matt in 5×5 repeat.
-

