

17336

16172

3 Hours / 100 Marks

Seat No.

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- 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 paper for design.

Marks

1. Attempt any FIVE :

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- (a) Define :—
 - (i) E.P.I.
 - (ii) P.P.I.
 - (iii) E.P.cm
 - (iv) E.P.dm
- (b) Compare between regular warp rib and irregular warp rib.
- (c) Mark the regular matt weave in 8×8 .
- (d) Enlist the methods to ornament the plain weave.
- (e) Mark the design for following weave :
 - (i) 2/2 twill weave
 - (ii) 3/3 twill weave
- (f) What is move number in satin weave ?
- (g) State the features of mock leno weave.

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P.T.O.

2. Attempt any TWO :**16**

- (a) Define the following parameters with example :
- (i) Design
 - (ii) Draft
 - (iii) Peg plan
 - (iv) Denting order
- (b) Mark design, draft and peg plan for
- (i) Regular warp rib
 - (ii) Irregular weft rib
- (c) (i) Construct the design, draft and peg plan for 2 up and 2 down pointed twill weave.
- (ii) Construct the design for weft fated twill weave.

3. Attempt any TWO :**16**

- (a) (i) Enlist the features of following fabric :
- (1) Voile
 - (2) Denim
 - (3) Drill
 - (4) Cambric
- (ii) Find the warp cover factor weft cover factor and fabric cover factor for following construction :
- (1) EPI :- 100
 - (2) PPI :- 62
 - (3) warp count :- 40 Ne
 - (4) weft count :- 30 Ne

- (b) (i) Compare between warp rib and weft rib
- (ii) Mark the design for irregular matt weave in the repeat of 10×10 .
- (c) Draw the transposed twill weave by taking following parameters :
 - (i) Repeat size :- 8×8
 - (ii) Base weave :- 4 up and 4 down
 - (iii) Transposed by :- 2

4. Attempt any TWO :**16**

- (a) (i) State the difference between satin and sateen.
- (ii) Mark the design for S-end satin weave.
- (b) Construct the design for brighten honey comb on the repeat of 16×16 .
- (c) Mark the design for following weave :
 - (i) 10×6 huck back weave
 - (ii) Ordinary honey comb 8×8

5. Attempt any TWO :**16**

- (a) (i) Enlist the various methods to construct the crepe weave.
- (ii) What is seersucker effect ?
- (b) (i) Mark the following design :
 - (1) 3 up 3 down twill weave
 - (2) 2 up 1 down "Z" twill weave
- (ii) What is blistered effect ?
- (c) Mark the design, draft, peg plan and cross sectioned view of plain faced Bedford cord fabric.

P.T.O.

6. Attempt any TWO :**16**

- (a) (i) Compare between bed ford cord fabrics and weft structure.
 - (ii) Give the classification of double cloth.
 - (b) (i) Construct the extra warp design by taking small motif.
 - (ii) State the principle of leno structure.
 - (c) (i) Give the classification for pile fabrics.
 - (ii) Draw the basic shed diagram for leno weaving.
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