



17348

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) *Provide inch graph paper for drawing the designs.*

Marks

1. Attempt **any five** : **20**
 - a) Explain the method of fabric representation on paper.
 - b) List the features of plain weave.
 - c) Give the detail classification of twill weave.
 - d) State the difference between satin and sateen weaves.
 - e) Explain the concept of colour and weave effect with example.
 - f) State the features of ordinary honeycomb.
 - g) Classify the honeycomb weaves.

2. Attempt **any four** : **16**
 - a) Explain the following terms,
 - i) weave
 - ii) lifting plan.
 - b) Explain the concept of reed count and denting order.
 - c) Give the design, draft, peg plan for 3/3 twill weave.
 - d) List the basic characteristics of satin/sateen weaves.
 - e) Give the detail classification of colour and weave effect.
 - f) Give the design, draft, peg plan for 10×10 huckback weave.

3. Attempt **any four** : **16**
 - a) Enlist the various types of drafts.
 - b) Write a note on modification of plain weave.
 - c) Draw the design, draft, peg plan for unbalanced twill weave.
 - d) Draw the design of 4-end satin and n-end satin.
 - e) Enlist various effects can be produced by simple order of colouring.
 - f) State the different methods for constructing the crepe weaves.

P.T.O.

**4. Attempt any two :**

- a) i) Explain the following terms :
- i) E.P.I.
 - ii) P.P.I.
 - iii) Cover factor
 - iv) G.S.M.
- ii) Give the design for 2/3 warp rib weaves.
- b) Give the design, draft, peg plan and denting order (any one) for following weave.
- i) Pointed twill with base twill 2/2
 - ii) Warp faced twill (5/5)
 - iii) Bright on honeycomb repeat of 12×12.
 - iv) Mock leno repeat size 10×6.
- c) i) State the concept and requirements of simple colour and weave effects.
- ii) Develop step colour pattern.

5. Attempt any two :

- a) i) Draw the design, drafts, peg plan, denting order, cross section view of crepe weaves constructed on sateen base.
- ii) Twill waves of 5/1 and 1/5.
- b) i) State the features of crepe weaves.
- ii) What is angle of twill ?
- c) i) Define draft, peg plan, denting order and weave repeat.
- ii) Draw the design, draft, for regular hopsack weaves.

6. Attempt any two :

- a) Draw the design, draft, lifting plan and denting order for Huck-a-back structure on ten picks.
- b) Give the design, draft, peg plan for herringbone twill weave with base twill of 2/2.
- c) Draw the design, draft, peg plan, denting order, cross section view for 8×8 mock leno weave.
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