

# 22464

**23124**

**3 Hours / 70 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 answer with neat sketches wherever necessary.
  - (4) Figures to the right indicate full marks.
  - (5) Assume suitable data, if necessary.
  - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

- 1. Attempt any FIVE of the following: **10****
- a) Draw the interlacement diagram for a weave warp thread in 2 up 2 down twill.
  - b) Draw design, draft and peg plan of irregular mat weave.
  - c) State importance of skip draft with the help of an example.
  - d) Draw 2/1 twill weave on 9 ends and 9 picks and state its features.
  - e) State and draw the features of four end satin weave.
  - f) State the concept of warp pattern repeat and weft pattern repeat with help of an example.
  - g) State the characteristics of huck back weaves.

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- 2. Attempt any THREE of the following:** **12**
- a) Describe the concept of weave repeat, with the help of an example.
  - b) Explain the relationship between design, draft, lifting plan and denting order with the help of an example.
  - c) Distinguish between the balanced and unbalanced twill weave with example.
  - d) Mark the design for eight end sateen weave.
- 3. Attempt any THREE of the following:** **12**
- a) Describe the procedure to plot the draft for given design with one example.
  - b) Mark  $\frac{2}{2}$  warp rib weave in repeat of  $(4 \times 8)$ .
  - c) Mark design, draft and peg plan for  $\frac{2}{2}$  pointed twill weave.
  - d) Define the move number with relevant examples.
- 4. Attempt any THREE of the following:** **12**
- a) Mark 3 up 3 down matt weave in repeat of  $12 \times 12$ .
  - b) Mark design, draft and peg plan for  $\frac{2}{2}$  right handed twill weave.
  - c) Mark the 6 end sateen weave in repeat of  $(12 \times 12)$ .
  - d) Construct a Hounds tooth pattern on 16 ends and 16 picks using following particulars :-
    - i) Weave  $\frac{2}{2}$  twill
    - ii) Warp and weft colour pattern - 4 light, 4 dark.
  - e) Describe the bird eye effects with relevant example.

- 5. Attempt any TWO of the following:** **12**
- a) Distinguish between satin and sateen weave with the help of examples.
  - b) Draw the following coloured pattern from the given weave and colour repeat –
    - i) Weave :- Plain weave
    - ii) Warp and weft colour repeat :- 1 dark and 1 light
    - iii) Pattern repeat : 8 end  $\times$  8 pick.
  - c) Develop the design for 8  $\times$  8 mock leno weave and draw the peg plan and draft for the same.
- 6. Attempt any TWO of the following:** **12**
- a) i) Categorize the following satin weaves into regular and irregular and justify it.
    - (1) 4 end satin
    - (2) 5 end satin
    - (3) 7 end satin
    - (4) 8 end satin
    - (5) 6 end satin
    - (6) 9 end satin
  - ii) Elaborate the concept of colour and weave effect with the help of an example of step pattern or Hairline pattern.
  - b) Mark the design of Brighten honey comb weave on 16 ends and 16 picks.
  - c) Draw the design, draft and peg plan for Huck-a-back weave on 10 ends and 10 picks.
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