

22468

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) Assume suitable data, if necessary.
 - (5) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (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) Define EP.cm and EP.dm.
 - b) List the important characteristics of twill weave.
 - c) Draw the design for 2/1 twill weave.
 - d) Draw the design of five end sateen weave.
 - e) State the main difference between satin and sateen.
 - f) State the features of mock leno weave.
 - g) Give the classification for double cloths.

P.T.O.

- 2. Attempt any THREE of the following:** **12**
- a) State the concept of G.S.M. and give its expression to calculate it.
 - b) State the concept of denting order with one example.
 - c) Draw the design, draft, peg plan for $\frac{2.3.}{1.2.}$ right handed twill weave.
 - d) State the concept of move number and describe the rules to find the move number for given weave.
- 3. Attempt any THREE of the following:** **12**
- a) Convert following yarn counts into its equivalent tex system -
 - i) 20 Ne
 - ii) 40 Ne.
 - b) Draw the design of plain weave and express the draft, peg plan for the same.
 - c) Compare between warp faced and weft faced twill weave.
 - d) Draw the design for following weave –
 - i) 4 - end satin
 - ii) 8 - end sateen.
- 4. Attempt any THREE of the following:** **12**
- a) Describe the rules to construct the draft for any given design.
 - b) Draw the design and cross sectional view for 2/2 warp rib weave.
 - c) Construct the 5 end sateen weave by using move number 3.
 - d) Construct the design for ten pick huck back weaves.

- 5. Attempt any TWO of the following:** **12**
- a) Describe the rules to construct the irregular satin weave with one example.
 - b) i) Draw the pointed twill weave for 3/1 twill weave in repeat of 16×8 .
ii) Distinguish between brighten honey comb and ordinary honey comb.
 - c) Draw the design, draft, peg plan for 10×10 mock leno weave.
- 6. Attempt any TWO of the following:** **12**
- a) i) Describe the relationship between draft and peg plan.
ii) Describe the feature of satin and sateen weave.
 - b) Draw the schematic diagram for open, plain, cross sheds for leno weaving.
 - c) i) Illustrate the classification of pile structure.
ii) Draw the design for plain faced bed ford cord fabric with pair of pick assuming relevant ratio between cutting and ground ends.
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