

22468

12425

03 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 answers with neat sketches wherever necessary.  
(4) Figures to the right indicate full marks.  
(5) 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) State the concept of threads/cm and picks/cm.
  - b) State the features of plain weave.
  - c) Distinguish between the satin and sateen weave.
  - d) State the features of sateen weave.
  - e) State the features of Honey comb weave.
  - f) List the feature of double cloth.
2. **Attempt any THREE of the following :** **12**
- a) Define the following count system –
    - i) English count
    - ii) Tex
  - b) Develop the design, draft, peg plan for plain weave.
  - c) State the features of basic twill weave and draw the design.
  - d) Develop the design, draft and peg plan for 4-end satin weave.

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- 3. Attempt any THREE of the following :** **12**
- a) State the features of following fabric –
    - i) Voile fabric
    - ii) Poplin fabric
  - b) Distinguish between the warp rib and weft rib weaves.
  - c) Develop the following twill weave –
    - i) 3 up 3 down
    - ii)  $\frac{4.2}{2.2}$
  - d) Construct the 8 end satin weave and also develop the draft and peg plan.
- 4. Attempt any THREE of the following :** **12**
- a) Convert the following counts into its equivalent tex system.
  - b) Develop the design for  $4 \times 4$  matt weave and also develop the draft and peg plan.
  - c) Classify the twill weave.
  - d) Develop the design of  $12 \times 12$  brighten honey comb weave.
- 5. Attempt any TWO of the following :** **12**
- a) Explain the rules to finalize the step number to construct the satin weave.
  - b) construct the Design, Draft, Peg plan for 7-end satin weave.
  - c) Develop the Design, draft and peg plan for  $10 \times 10$  huck-a-back weave.
- 6. Attempt any TWO of the following :** **12**
- a) Distinguish between the honey comb and brighten honey comb weave.
  - b) Distinguish between the extra warp and extra weft liquoring.
  - c) Classify the plain weave.
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