

# 22468

**22223**

**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 answers with neat sketches wherever necessary.  
(4) Assume suitable data, if necessary.  
(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) Define EPI and PPI.
  - b) Define denting order.
  - c) Write 2 characteristics of Balanced Twill weave.
  - d) Name any 2 fabrics made in satin weave.
  - e) State the concept of P. Pcm and P. Pdm.
  - f) State any 2 characteristics of Backed cloth.
  - g) Define lifting plan.
- 2. Attempt any THREE of the following: 12**
- a) Compare Chiffon and Lawn Fabrics.
  - b) State the classification of plain weave. Give examples.
  - c) Show the design, draft and denting order of Pointed Twill weave.
  - d) Differentiate between Regular and Irregular Satin Weaves.

P.T.O.

- 3. Attempt any THREE of the following:** **12**
- a) Explain the development of Huck-a-back structure on ten picks with a neat diagram.
  - b) State the principles of Leno structure.
  - c) Differentiate between Tex and Denier.
  - d) Show the design, draft, lifting plan and denting order of Plain weave
- 4. Attempt any THREE of the following:** **12**
- a) Define unbalanced Twill. Show the diagram of weft faced twill and write its applications.
  - b) Explain the design, draft, lifting plan and denting order of Sateen weave.
  - c) Show the development of Honey comb structure with a neat diagram.
  - d) Step-by-step, explain the development of Mock leno structure on  $8 \times 8$ .
  - e) Explain in detail the classification of pile structure.
- 5. Attempt any TWO of the following:** **12**
- a) Write a detailed note on the derivatives of plain weave.
  - b) State the characteristic features of twill woven fabrics. Explain its uses and application in the apparel industry.
  - c) Explain the design, draft, denting order and lifting plan of Diamond Twill weave.
- 6. Attempt any TWO of the following:** **12**
- a) Explain in detail the concept of move number. Give an example to justify your concept.
  - b) Write a note on crepe weave and its constructions.
  - c) Construct the design of ordinary welt and plain faced bed ford cord.
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