



17348

21415

3 Hours/100 Marks

Seat No.

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- Instructions :** (1) **All** questions are **compulsory**.
(2) *Illustrate your answers with neat sketches wherever necessary.*
(3) *Figures to the **right** indicate **full** marks.*
(4) **Assume** suitable data, *if necessary.*

MARKS

1. Answer **any five** :

20

- Explain the basic operations in woven fabric production.
- State the specifications of the following plain weave fabrics :
 - Poplin
 - Voile
- State the characteristic features of twill weave fabrics.
- What are the differences between sateen and satin fabrics ?
- What do you mean by colour and weave effects ? Give a broad classification of the same.
- What are the differences between ordinary and brighten honey combs ?
- Explain heald count and reed count.

2. Answer **any four** :

16

- What are the differences between warp rib and weft rib weaves ? Draw one of each.
- Explain balanced and unbalanced twills with examples and diagram.
- Explain the development of irregular sateen weave.
- Develop hound's tooth pattern on fabric with the help of colour and weaves effect.
- Explain the development of a design giving continuous line effects in the fabric on point paper.
- What are the characteristics of mock leno structure ? Explain the importance of denting order to get these structures.

P.T.O.



3. Answer **any four** : 16
- a) Draw design draft and peg plan of any one irregular Hopsack weave in 8×8.
 - b) Draw design draft and peg plan of herringbone twill in 6 shafts.
 - c) Draw all possible sateen weaves in 7×7.
 - d) Draw a step pattern on point paper with the help of colour and weave.
 - e) Develop a distorted weft thread effects on point paper.
 - f) Develop a curved twill with the help of a curved draft on suitable number of ends and picks.
4. Answer **any four** : 16
- a) State the characteristic features of plain woven fabric and their end-uses.
 - b) Draw an irregular sateen and satin in 8×8.
 - c) Develop horizontal and vertical hair lines in fabric with the help of colour and weave. Explain with point paper representation.
 - d) Draw broken twill on 6 heald shafts by the method of entering and skipping.
 - e) Draw 3×2×1×1×2×3 irregular matt design, draft, peg plan and cross-section.
 - f) Draw a design of giving distorted warp thread effects in the fabric.
5. Answer **any two** : 16
- a) Explain the different types of drafts with which plain weave fabric can be woven.
 - b) State characteristics of plain weave. Explain plain weave with suitable example. Also draw interlacing diagram and cross sectional weave of plain weave.
 - c) Draw design, draft and lifting plan of transposed twill.
6. Answer **any two** : 16
- a) Draw design draft and peg plan of a brighten honey comb structure in 16×16.
 - b) Draw design draft and peg plan of a huck-a-back structure in ten picks.
 - c) Discuss the different methods of developing crepe weaves.
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