

22464

23242

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) Figures to the right indicate full marks.
 - (5) Assume suitable data, if necessary.
 - (6) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (7) 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) Explain the method of representing any interlacement of warp and weft on graph paper with the help of an example.
 - b) List down various twills produced on 5 heald frames.
 - c) Explain the concept of balanced twill.
 - d) State characteristic of satin weave and elaborate reason for the same.
 - e) Elaborate difference between Satin and Sateen with the help of an example.
 - f) Give classification of colour and weave effect.
 - g) State characteristics of crepe weave. Also list down various methods used for construction of crepe weave.

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- 2. Attempt any THREE of the following:** **12**
- a) Elaborate the concept of weave design, weave repeat, drafting order, denting order, peg-plan with the help of an example.
 - b) Draw all possible sateen weaves on 9 ends. (9 ends×9 picks)
 - c) List down various types of drafts used in textile designing. Explain any one of them with suitable example.
 - d) Draw interfacing diagram, Design, draft and peg-plan, cross-section of plain weave.
- 3. Attempt any THREE of the following:** **12**
- a) Draw design - draft, peg-plan and cross-section of all derivatives of plain weave.
 - b) State characteristics of plain weave.
 - c) Elaborate various methods of ornamenting plain weave.
 - d) Construct a pointed twill weave on six heald frame. Draw draft and peg-plan of the same.
- 4. Attempt any THREE of the following:** **12**
- a) Construct a Herringbone twill on six heald frames. Draw draft and peg-plan. Explain the characteristics of this weave.
 - b) Draw design of combination of following two twill weaves.
 - i) $\frac{2}{2}$ twill
 - ii) $\frac{3}{3}$ twillDraw draft and peg plan.
 - c) Develop design of an irregular sateen weave on six ends. Draw draft and peg-plan.
 - d) Draw design of sateen stripe using five end sateen weave. Draw draft and peg-plan.
 - e) Differentiate between satin and sateen fabrics.

5. Attempt any TWO of the following:**12**

- a) Draw Hound's tooth pattern on 16 ends and 16 picks.
Explain in which type of fabric this pattern is often used.
- b) Draw step pattern using $\frac{3}{3}$ twill on 18 ends and 18 picks.
- c) i) Draw hairline pattern using plain weave
ii) Draw hairline pattern using $\frac{2}{1}$ twill.
iii) Draw spot effect using 2×2 wat weave.

6. Attempt any TWO of the following:**12**

- a) Compare Brighton Honey comb weave with ordinary honey comb weave.
 - b) i) Draw Huck-a-back weave on 10×10 . Elaborate characteristics of the same
 - c) Elaborate the concept of development of figured fabrics. Also explain the development of Mock-Leno structure with suitable example.
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