

22464

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) Assume suitable data, if necessary.
(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) Draw the interlacement diagram for –
 - i) 1 up 2 down twill weave for 6 ends and 3 picks.
 - ii) 2 up, 3 down twill weave for 5 ends and 5 picks.
 - b) List the features of twill weave.
 - c) State the features of sateen weave.
 - d) Distinguish between the sateen and satin weave.
 - e) Give the classification for colour and weave effect.
 - f) State the features of huck-a-back weave.
 - g) State the features of mock leno weave.

P.T.O.

2. Attempt any THREE of the following : 12

- a) State the concept of warp ends / weave repeat weft ends / weave repeat, and draft and peg-plan by considering the plain weave.
- b) Describe the various methods to develop rib effect using plain weave with example.
- c) Draw the design, draft and peg plan for following twill weaves.
 - i) $\frac{2.1}{3.2}$
 - ii) $\frac{1.3}{2.1}$
- d) State the concept of step number and find the step numbers for following weaves.
 - i) 5 - end satin
 - ii) 7 - end satin

3. Attempt any THREE of the following : 12

- a) Illustrate the relationship between Design, Draft and peg plan with the help of an example.
- b) Draw the design, draft and peg-plan for 2/2 warp rib weave and draw cross-section of the same.
- c) Distinguish between the warp face and weft faced twill weave with the help of an example.
- d) Develop Design, draft and peg plan for four end satin weave.

4. Attempt any THREE of the following : 12

- a) Draw designs and peg-plans corresponding to the following drafts on paper –
 - i) Straight draft
 - ii) Skip draft
 - iii) Pointed draft
 - iv) Sateen draft

- b) Distinguish between the warp rib and weft rib with an examples.
- c) Draw the design for following pointed twill weave in repeat of 8×4
2 up 2 down
- d) Distinguish between the regular and irregular satin weave with an examples.
- e) Describe the method / rules to find move number for constructing the 8 end satin weave. Draw all possible designs of regular sateen weave on 8 ends.

5. Attempt any TWO of the following : 12

- a) Develop the Bird's eye effect on design paper.
- b) Develop the Hound's tooth effects on design paper.
- c) i) Develop design, draft and peg plan for 8×8 huck-a-back structure.
ii) Construct a regular honey comb weave on five heald frames. Draw draft and peg-plan.

6. Attempt any TWO of the following : 12

- a) i) Develop the dog tooth effect on design paper.
ii) Construct crepe weave on sateen base. State the characteristic features of the same.
 - b) Develop the any brighten honey comb structure on design paper.
 - c) Develop design, draft and peg plan for 8×8 mock leno structure. State characteristic features of mock-leno weave.
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