

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 e 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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