

17348

**21819**

**3 Hours / 100 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 :**

**20**

- (a) Define the term weave and weave repeat.
- (b) Enlist fabric quality parameters.
- (c) Write characteristic features of twill woven fabric.
- (d) Mark the design of 8 end satin weave.
- (e) State the concept of weave and colour in combination.
- (f) Enlist various standard fancy fabric structures.
- (g) Write quality parameters of Cambric.

**2. Attempt any FOUR of the following :****16**

- (a) Write the concept of warp and weft with attributes.
- (b) Describe various methods of fabric representation on point paper.
- (c) Draw cross-sectional views of plain weave.
- (d) Mark the design of regular warp rib weave and show the cross-section.
- (e) Enlist derivatives of plain weave.
- (f) With a neat diagram explain the formation of 'rib-effect' in plain weave.

**3. Attempt any FOUR of the following :****16**

- (a) Draw relevant design for pointed draft.
- (b) Explain Stockport reed system with one example.
- (c) State the concept of basket weave and mark the design.
- (d) Mark the design of warp-faced twill.
- (e) Develop the design of herring-bone twill with 3/3 twill.
- (f) Create the design of combination twill using 2/1 twill and 3/2 twill.

**4. Answer any FOUR of the following :****16**

- (a) Develop the design of transposed twill.
- (b) Mark the design of  $\frac{4 \ 2 \ 1}{4 \ 2 \ 1}$  twill.
- (c) Write the characteristic features of sateen fabric.
- (d) Mark the design of 4 end satin on  $8 \times 8$ .
- (e) Compare Satin fabric with Sateen fabric.
- (f) Show the continuous line effect on point paper.

**5. Attempt any TWO of the following :****16**

- (a) Write examples of simple colour and weave effect and show Hound's tooth pattern on point paper.
- (b) Represent distorted warp thread effect on point paper and explain the formation of effect.
- (c) Develop the following types of crepe structure on point paper :
  - (i) Sateen base
  - (ii) Reversing method

**6. Attempt any TWO of the following :****16**

- (a) Develop Mock-leno structures with following repeat size :
    - (i)  $6 \times 6$
    - (ii)  $10 \times 10$
  - (b) Write the types of honey-comb structure. Mark the design of simple honey-comb structure suitable on 5 heald shafts.
  - (c) Write the characteristics of Huck-a-back fabric and mark the design of the Huck-a-back structure on 10 picks.
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