

17338

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) 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.
  - (8) Use of steam tables, logarithmic, Mollier's chart is permitted.

**Marks**

1. **Attempt any TEN :**

**20**

- (a) State concept of line. State characteristics of line.
- (b) List down different types of lines and draw them.
- (c) Explain gradation with the help of a sketch.
- (d) State the concept of dominance and sub-ordination with the help of diagram.
- (e) Differentiate between formal and informal balance.
- (f) Define :
  - (i) Tint
  - (ii) Tone
  - (iii) Shade

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P.T.O.

- (g) List the fabric characteristics which affect the appearance of colour.
- (h) State the effect of frequency of interlacing on the appearance of colour in case of woven cloth with example.
- (i) Construct hairline effect using plain weave.
- (j) Construct a spot effect using matt weave.
- (k) Explain the concept of half drop with help of a schematic diagram.
- (l) Define drop reverse design.
- (m) State objectives of computer aided textile designing.
- (n) Define hue, value and chrome.
- (o) Define 'after image'.

**2. Attempt any FOUR :**

**16**

- (a) Describe the characteristics of following elements of art :
  - (i) Shape
  - (ii) Texture
- (b) Describe following principles of textile design with help of diagrams :
  - (i) Repetition
  - (ii) Alternation
- (c) Explain light theory of colour with the help of neat diagram.
- (d) Describe 'mixed colour effect'. List down various methods for producing mixed colour effect.
- (e) Construct Hound's tooth pattern.
- (f) Write a detailed note on 'Shawls in India'.

**3. Attempt any FOUR :****16**

- (a) Describe following elements of arts with help of diagrams :
  - (i) size
  - (ii) value
- (b) Describe contrast and balance with the help of an example.
- (c) Explain pigment theory of colour with help of a diagram.
- (d) Describe fibre mixture yarn production in brief. List down various classes of fibre mixture.
- (e) Construct a step pattern on 16 ends and 16 picks.
- (f) Write a detailed note on Indian Brocades.

**4. Attempt any TWO :****16**

- (a) List down various principles of design and explain following with the help of a diagram :
  - (i) Harmony
  - (ii) Balance
- (b) Draw chromatic circle and write the names of colours in the respective area.
- (c) State advantages of sateen base. Construct a jacquard design by tracing a motif on 8 end sateen base.

**5. Attempt any TWO :****16**

- (a) Explain following principles of design :
  - (i) Emphasis
  - (ii) Movement
  - (iii) Rhythm
  - (iv) Variety

**P.T.O.**

- (b) Define 'complimentary colours'. Explain following complimentary colours with the help of a colour scheme :
- (i) Double complimentary
  - (ii) Split complimentary
- (c) (i) Enlist various Indian embroideries used in Indian textiles.
- (ii) Draw diagrams of various ogee bases. Explain by tracing a small motif in ogee base. State how half drop principle is applied to this base.

**6. Attempt any TWO :**

**16**

- (a) Discuss the scope of computer aided textile designing. Describe in detail the working of various modules and how it is beneficial for Indian textile industry.
- (b) Explain monochromatic, achromatic and polychromatic colour harmony. Define analogues colour harmony.
- (c) (i) State the concept of colour modification. Explain colour modification with one example.
- (ii) Explain with an example how drop reverse design is produced.
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