



17348

21718

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. Answer any five :

20

- Explain the basic operations in woven fabric production.
- Explain interlacing diagram of plain weave with neat sketch.
- Classify the different types of a twill weave.
- Draw design, draft and peg-plan of regular satin.
- Classify the colour and weave effect.
- Differentiate between ordinary and brighton honey comb.
- Construct the crepe weave upon weft sateen base on point paper.
- Draw Mock-leno structure design on 10×10 repeat on point paper.

2. Answer any two :

16

- Explain derivatives of plain weaves, with designs of two derivatives.
- What are different types of draft ? Explain each type one design.
- Draw design, draft and peg-plan of Herringbone twill with basic twill of $\frac{4}{4}$ also explain characteristics of Herring bone twill.

3. Answer any two:

16

- What are fabric quality parameters ?
 - Explain plain woven voile fabric.
- Explain characteristics feature of plain woven fabric.
- Draw design, draft and peg-plan pointed twill on graph paper 8×8 .

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4. Answer **any two** : 16
- a) Draw design, draft and peg-plan, reed denting plan broken twill [4/4 twill base].
 - b) i) Explain Denim and Drill twill woven fabrics.
ii) State characteristics feature of weft sateen and warp satin fabrics.
 - c) Compare Huck-a-back and Mock-leno structures.
5. Answer **any two** : 16
- a) Explain concept of weave and colour in combination.
 - b) Draw Bird's eye and step patterns in simple colour and weave effects.
 - c) Explain characteristics of Huck-a-back structure. Draw 10×10 Huck-a-back design with draft and peg-plan.
6. Answer **any two** : 16
- a) Draw design, draft and peg-plan of brighton honey-comb 16 ends \times 16 picks.
 - b) Compare warp satin and weft sateen fabric with the help of suitable designs.
 - c) Explain distorted warp thread effects. Draw design, draft and peg-plan on 14 warp and 14 weft.
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