



17348

16117

3 Hours / 100 Marks

Seat No.

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- Instructions :**
- (1) *All questions are compulsory.*
 - (2) *Illustrate your answers with **neat** sketches **wherever** necessary.*
 - (3) *Figures to the **right** indicate **full** marks.*
 - (4) *Assume suitable data, if **necessary**.*
 - (5) *Use of Non-programmable Electronic Pocket Calculator is **permissible**.*
 - (6) *Mobile Phone, Pager and any other Electronic Communication devices are **not** permissible in Examination Hall.*

Marks

1. Solve any 10 :

20

- a) Write classification of colour and weave effect.
- b) Write classification of twill weaves.
- c) State the characteristic features of satin woven fabrics.
- d) State characteristic features of crepe weave fabrics.
- e) Draw the interlacing diagram of plain weave.
- f) Define design and lifting plan.
- g) Explain the characteristic features of Huck-a-back weave fabrics.
- h) Explain relative firmness of twill weave.
- i) Explain with suitable design “repeat of weave”.
- j) Explain the use of Mock leno fabrics.
- k) Explain the use of satin/sateen woven fabrics.
- l) Mention the end uses of Basket weave fabrics.
- m) Explain the concept of weave and colour in combination.
- n) Explain with small design unbalanced twill.

P.T.O.

**2. Solve any four :****16**

- a) State the important characteristic features of voile and poplin fabrics.
- b) Draw and explain design, draft and lifting plan of brighten honey comb on 16×16 .
- c) Draw and explain design, draft and peg plan of broken twill weave on 6 heald shafts.
- d) Compare satin and sateen weave.
- e) Explain the stripe and check pattern effect on a fabric with the help of small design.
- f) State the relation between weave, draft and peg plan with suitable examples.

3. Solve any four :**16**

- a) Compare warp rib and weft rib structures.
- b) Compare and contrast brighten honey comb and ordinary honey comb.
- c) What are the characteristics of Mock-leno fabrics ? Explain the method of producing Mock-leno with the help of small design.
- d) Draw and explain design, draft and lifting plan of $2/2$ Herringbone twill.
- e) Explain Hound's tooth pattern effect with suitable design.
- f) Explain with small design development of regular satin weave.

4. Solve any four :**16**

- a) Explain the following types of drafts with neat diagram :
 - i) Straight draft
 - ii) Skip draft
- b) Draw design, draft, peg plan and cross sectional view of Mat weave.
- c) Draw a point paper design, draft for a crepe weave by drawing one weave over the other.
- d) Explain with small design disorted warp thread effects.
- e) Explain with point paper design development of irregular satin weave.
- f) Explain Hairlines colour and weave effect with suitable example.

5. Solve any two :**16**

- a) Draw design and explain following structures :
 - i) Huck-a-back structures on ten picks
 - ii) Reversible Huck-a-back structure.
- b) Draw design, draft, denting order and lifting plan of
 - i) Curved twill
 - ii) Waved twill
- c) State the characteristics of the following standard plain woven fabrics.
 - i) Chiffon
 - ii) Dhoti



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6. Solve any two :

- a) i) Explain the following fabric quality parameters :
 - i) Fabric cover factor
 - ii) Fabric weight
 - ii) Explain the following draft with neat diagram :
 - i) Pointed draft
 - ii) Sateen draft
 - b) Draw design draft and peg plan of following weave :
 - i) Crepe weave upon sateen bases
 - ii) Crepe weave by reversing methods.
 - c) i) Explain basic operation in woven fabric production.
 - ii) Draw design, draft and peg plan of ordinary honey comb weave.
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