14115

3 Hours/100 Marks

Seat No.

MARKS

1. Attempt **any five** :   **20**

   a) What is G.S.M. and write its formula ?

   b) List two features of plain weave.

   c) Mark the design, draft, peg plan for 2 up 2 down warp rib.

   d) Give detail classification of twill weave.

   e) State two differences between satin and sateen weaves.

   f) Give the design and cross section view for 10 × 6 huck back weave.

   g) Classify the bed ford cords fabrics.

2. Attempt **any four** :   **16**

   a) Draw the design, draft, peg plan for plain weave.

   b) What is seersucker effect ?

   c) State the concept of weave, draft, peg plan.

   d) Draw the design for following weaves :

      i) 2/2 balanced twill   ii) 3 up 2 down twill.

   e) Give the design, draft, peg plan for four end satin weave.

   f) State the features of honey comb fabrics.

3. Attempt **any four** :   **16**

   a) State the following terms :

      i) E.P.I.   ii) P.P.I.

      iii) P.P.cm.   iv) P.P.dm.

b) Define the cover factor and write its formula.

c) State two various modification of plain weave.

d) Compare with four points the warp rib fabrics with well-rib fabrics.

e) Give the design, draft, peg plan for pointed twill with base twill of 2 up 2 down.

f) State the concept of right hand twill and left handed twill with suitable example.

4. Attempt **any two** :   **(8×2=16)**

a) Draw the design, draft, peg plan, denting order and cross section view for 4/4 down matt weave.

b) Give the design, draft, peg plan for 5 up and 5 down twill on transposition of 2^S-repeat size of 10 ×10.

c) i) State the following concepts :

(i) Reed count (ii) Denting order.

ii) Describe the rules for plotting the regular satin weaves.

5. Attempt **any two** :   **16**

a) i) Compare with four points the extra warp figuring and extra weft figuring.

ii) What are velvet and velveteens ?

b) Give the design, draft, peg plan and cross section for a plain faced bed ford cord on a pair of picks. The ratio of fack to cutting ends 2 : 4.

c) Give the design, draft, peg plan for brighten honey comb weaves on repeat size of 16 × 16.

6. Attempt **any two** :   **(8×2=16)**

a) Draw the design, draft, peg plan and cross section view for following weaves **(any one)**.

i) Huck back weave with respect of 10 × 10.

ii) Crepe weave on satin base with base weave $\dfrac{3.1}{3.3}$.

b) i) Give the classification of double cloth.

ii) What are backed fabrics and mention the importance of backed construction ?

c) i) Explain the manufacturing process of 3 pick terry.

ii) What are leno structure and draw the basic sheds of leno structure.

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