



17571

16172

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.*

Marks

1. Attempt any ten :

20

- a) State the functions of wadding ends.
- b) Classify the bed ford cords.
- c) Differentiate between welts and pique.
- d) What are backed fabric ?
- e) State end uses of double cloth.
- f) State the objects of double cloth.
- g) Classify pile fabrics.
- h) Enlist end uses of pile fabrics.
- i) State various methods of introducing extra figuring threads.
- j) Give the loom equipments necessary for manufacturing extra figured fabric.
- k) State the end uses of mock lenos.
- l) List down various single jersey fabrics.
- m) What is patterning ?
- n) What is welt ?

2. Attempt any two :

16

- a) Explain the construction of plain faced bed ford cord on alternate pick with suitable example.
- b) Differentiate between warp backed and weft backed fabrics.
- c) Differentiate between extra warp and extra weft figuring.

P.T.O.

**3. Attempt any two :****16**

- a) Explain the classification of double cloth in details.
- b) Explain self stitched double cloth with suitable example.
- c) Explain principle of leno structure.

4. Attempt any two :**16**

- a) Give the design, draft, peg plan and cross section for a centre weft stitched double cloth having following particulars :
Face weave – 2/2 twill
Back weave – 2/2 twill
Ratio of face to back and stitching warp ends – 4:4:1
Ratio of face to back picks – 1 : 1.
- b) Give the design, draft, peg plan and fabric cut cross sections for the following fast pile structures (any one).
 - i) Pile weave is 2/2 twill and the ground weave is plain. Assume a repeat size of 8×10 . The ratio of ground to pile pick is 1:4.
 - ii) Pile weave is 5 end sateen derivatives and the ground weave is plain. Assume a repeat size of 10×12 . The ratio of ground to pile pick is 1:5.
- c) Give the design, needle order and can order for following fabrics (**any one**) :
 - i) Swiss pique
 - ii) Honey comb.

5. Attempt any two :**16**

- a) Explain two colour pattern in weft knitting with suitable example.
- 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 face to cutting ends is 8:2.
- c) Explain step by step development of weft backed cloth with neat sketch.

6. Attempt any four :**16**

- a) Compare mock-leno structure with Leno-structure.
 - b) Differentiate between gauze and leno structure.
 - c) Explain Russian words.
 - d) Give design for pin tuck.
 - e) Write a note on square pattern.
 - f) Draw the design for
 - i) 3 pick terry single sided
 - ii) 5 pick terry double sided.
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