

Roll No. ....

Total Pages : 03

BT-5/D-18

35085

FABRIC STRUCTURE-I

TT-307

(Old)

Time : Three Hours]

[Maximum Marks : 100

**Note :** Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks. Graph papers may be supplied on request.

**Unit I**

1. (a) What do you understand by complementary colours, colour contrast and colour harmony ? Illustrate your answer with the help of suitable examples. 10

(b) Make a colour wheel consisting of primary, secondary and tertiary colours. 10

2. What are different types of colour contrast ? How do colour contrast affect garment designing ? Explain with suitable examples. 20

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P.T.O.

## Unit II

3. Mark on point papers the following weave designs with their drafting and peg plans :

(a)  $(2/2)$  Warp Rib, Weft Rib and Hopsack weaves. 10

(b)  $\left( \frac{2, 1}{1, 2} \right)$  Warp Rib, Weft Rib and Hopsack weaves.

10

4. Construct the following weave designs :

(a)  $(2/2)$  Pointed Twill

(b)  $(2/2)$  Herring bone twill.

(c)  $(4/4)$  Elongated twill, base twill with  $(70^\circ)$  angle of twill.

(d)  $(2/2)$ -Broken pointed twill.  $4 \times 5 = 20$

## Unit III

5. Distinguish between ordinary and brighton honeycomb weaves. Illustrate your answer with the help of one example of each.  $4 + 8 + 8 = 20$

6. Construct the following weave designs :

(a) (8) end Mocklene

(b)  $(6 \times 6)$ -Huckaback

(c) Wadded Double Cloth

(d) Plain face Bedford.  $4 \times 5 = 20$

#### Unit IV

7. Construct 3-ply belting structure with the aid of design and sectional view. Also discuss the requirements this structure which is suitable for conveying purpose. 20
8. Construct the following weave designs with their sectional views :
  - (a) Velvet structure (U) Tufting
  - (b) Plain back Velveteen
  - (c) Dobby clipped design
  - (d) Jacquard clipped design. 4×5=20