Dec.-22-0286
TE-602 (Textile Design and Analysis)
B.Tech. 6th (CBCS)

Time : 3 Hours   **Max. Marks : 60**

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt five questions in all, selecting one question from each section A, B, C, D. Section E is Compulsory.

SECTION - A

1. What do you understand by complementary colour, colour contrast and color harmony? Explain your answer with suitable examples.   (10)

OR

2. Explain the terms hue, chroma, intensity and tone with the help of suitable diagram.   (10)

SECTION - B

3. Construct the following weaves along with design, draft and lifting plan.

   (1,2/2,1) Right hand twill

   (4/3) Wrap Rib, Weft Rib and Basket Rib Weave.   (10)

OR

4. What is the bed ford cord weave & classification? Also make suitable design twill faced bed ford cords.   (10)

SECTION - C

5. How colors and weave effect classified? Discuss the step pattern effect and hairline effect with suitable example.   (10)

OR

6. Discuss the process of warp pile formation. What is extra attachment required for formation of pile fabrics?   (10)

SECTION - D

7. What is the double cloth fabrics and classification of double cloth fabrics? Explain with figure Make suitable double cloth (face to back stitching) weave design.   (10)

OR

8. Describe any method of producing Gauge fabric with doups.   (10)

SECTION - E

9. (i)   What is the satin and sateen weave?

   (ii)   Give formula of twill angle.

   (iii) State difference between diamond and diaper weave.

   (iv)   Write features and uses of crepe weave.

   (v)   Give examples of derivatives of twill weave.

   (vi)   What is difference between dye and pigment?

   (vii) What is purpose of using wadded thread in double cloth?

   (viii) Why loop structure is suitable for toweling?

   (ix)   Write names of any two absorbent fabrics. Why these fabric are called absorbent?

   (x)   Write importance of fabric structure and analysis.
                              (10×2=20)