

- (h) Define denting order.  
(i) Construct  $\frac{3}{4}$  matt weave.  
(j) Construct 5 end regular satin.

Roll No. ....

Total Pages : 04

**J-21-0114**

**B. Tech. EXAMINATION, 2021**

Semester VI (CBCS)

TEXTILE DESIGN AND ANALYSIS

TE-602

*Time : 2 Hours*

*Maximum Marks : 60*

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*The candidates shall limit their answers precisely within 20 pages only (A4 size sheets/assignment sheets), no extra sheet allowed. The candidates should write only on one side of the page and the back side of the page should remain blank. Only blue ball pen is admissible.*

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**Note :** Attempt *Four* questions in all, selecting *one* question from any of the Sections A, B, C and D.  
Q. No. 9 is compulsory.

**Section A**

1. (a) Define fabric cover and mention its importance.  
Give the various methods of fabric representation. 7.5

(b) Explain pigment theory how does it differ from light theory. Define tint, hue and shade with suitable examples. 7.5

2. Construct the following weave design, draft and peg plan on point paper. Also give the basic characteristic and uses of each weave :

(a) 8 thread irregular and regular sateen 7.5

(b) 16 ends brighten honey comb. 7.5

### Section B

3. Give the design, draft, peg plan, cross-section of weft wadded welt structure, ordinary welt structure and fast back welt structure. 15

4. Discuss the criteria for selection of weave for combination and rules governing the joining of different weaves. 15

### Section C

5. Give the method of construction of backed fabric with suitable example representing design on point paper. Discuss the difference between warp backed and weft backed fabric along with its end use. 15

6. Discuss the method of preparation of bird eye and hounds tooth effect into a fabric. 15

### Section D

7. (a) Classify various types of double cloth. 7.5

(b) Construct self-stitched double cloth from face to back and from back to face method. 7.5

8. Give the various methods to produce gauze weaves, mention the special features of gauze and leno weaves. 15

### (Compulsory Question)

9. All questions are compulsory : 1.5×10=15

(a) Define crimp %

(b) What is unbalanced twill weave ?

(c) Construct 3/2 warp and weft rib.

(d) Give features of plain weave.

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

(f) What does peg plan and draft plan represent ?

(g) What do you mean by loose reed ?