

Roll No.

Total Pages : 03

July-22-00390

B. Tech. EXAMINATION, 2022

Semester VI (CBCS)

TEXTILE DESIGN AND ANALYSIS

TE-602

Time : 3 Hours

Maximum 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 and D. Q. No. 9 is compulsory.

Section A

1. Construct the following weave design, draft and peg plan on point paper. Also give the basic characteristic and uses of each weave :
 - (a) (4/4) elongated twill with 70° angle 5
 - (b) Weft face cork screw weaves. 5

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2. Construct the following weave design, draft and peg plan on point paper. Also give the basic characteristic and uses of each weave :
- (a) Diamond weave 5
- (b) Mock leno weave. 5

Section B

3. What is bed ford cord ? Give the design, draft, peg plan, cross-section of twill face and plain face bed ford cord. 10
4. Elaborate the rules governing the joining of different weaves for stripe and check effect. 10

Section C

5. Classify the various pile fabrics ? Construct design and cross-section of all 4 types of velveteen fabric. 10
6. Discuss the various effects produced by simple colour and weave combination. 10

Section D

7. Explain with suitable example construct the double cloth with wedded threads. 10

8. Give the mechanism of change in path of warp to produce gauze and leno weaves. Also explain the characteristics and special features of both the weaves. 10

(Compulsory Question)

9. Attempt all questions : 10×2=20
- (a) Construct 2/2 Herringbone twill
- (b) Define fabric set.
- (c) What are the features and uses of twill weave ?
- (d) What is pile in terry weave ?
- (e) Make a repeat to produce crows foot effect.
- (f) Construct warp face 4/2 twill, weft face 3/2 twill.
- (g) What are different types of colour contrast ?
- (h) With example explain skip and pointed draft.
- (i) Define spun and filament yarn.
- (j) Give the criteria for selection of feedback thread in double cloth.