



B.TECH. DEGREE EXAMINATIONS: APRIL / MAY 2023

(Regulation 2018)

Fourth Semester

TEXTILE TECHNOLOGY

U18TXI4203: Woven Fabric Structure and Design

COURSE OUTCOMES

- CO1:** Design various weave structures.
CO2: Draw corded structures.
CO3: Illustrate colour and weave effects.
CO4: Draw and analyses the double cloth structures.
CO5: Draw pile structures.

Time: Three Hours

Maximum Marks: 100

**Answer all the Questions: -
 PART A (10 x 2 = 20 Marks)
 (Answer not more than 40 words)**

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| 1. Enlist the derivatives of plain weave. | CO1 | [K ₁] |
| 2. Calculate the angle of twill if the move outwards is 1, move inwards is 1, EPI is 60 and PPI is 60. | CO1 | [K ₂] |
| 3. Classify bedford cord structures. | CO2 | [K ₂] |
| 4. What do you mean by half drop design? | CO2 | [K ₂] |
| 5. Distinguish between extra warp figuring and extra weft figuring weave structures. | CO3 | [K ₂] |
| 6. Classify backed fabrics. | CO3 | [K ₂] |
| 7. What is the difference between face to back self-stitching and back to face self-stitching in double cloth design? | CO4 | [K ₂] |
| 8. List end uses of multi-layer (ply fabrics) fabrics. | CO4 | [K ₂] |
| 9. Classify corduroy structures. | CO5 | [K ₂] |
| 10. List out any two differences between warp pile and weft pile woven structure. | CO5 | [K ₂] |

