



B.E/B.TECH DEGREE EXAMINATIONS: NOV/DEC 2022

(Regulation 2018)

Seventh Semester

FASHION TECHNOLOGY

U18FTE0008:APPAREL FINISHING AND CARE

COURSE OUTCOMES

- CO1:** Acquire knowledge on types of finishes on fabrics and garments.
CO2: Analyse and classify the different conditions and chemicals need for finishing of Materials
CO3: Acquire knowledge on Denim Finishes and advanced finishes.
CO4: Discuss on un-conventional finishes and their applications
CO5: Classify and apply skill to identify stains and removal technique in apparel. K3 CO6 Acquire knowledge on sustainable and green finishing methods
CO6: Acquire knowledge on sustainable and green finishing methods

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. List any four needs for textile finishing. | CO1 | [K ₁] |
| 2. Differentiate chemical finishes from mechanical finishes. | CO1 | [K ₂] |
| 3. Classify functional finishes. | CO2 | [K ₁] |
| 4. Identify the requirements of functional finish in bed linens. Why? | CO2 | [K ₃] |
| 5. Name the chemicals used for denim processing. | CO3 | [K ₁] |
| 6. Explain the processing condition of stone wash | CO3 | [K ₂] |
| 7. State the benefits of Phase change material in textile finishing | CO4 | [K ₂] |
| 8. Garment dyeing is best suitable for short lived fashion. Give your view. | CO5 | [K ₃] |
| 9. Identify any four common stains and its effective stain remover. | CO6 | [K ₂] |
| 10. Enlist any four uses of care labels. | CO6 | [K ₂] |

**Answer any FIVE Questions:-
PART B (5 x 4 = 20 Marks)
(Answer not more than 80 words)**

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| 11. Discuss in short about burn out finishes. | CO1 | [K ₂] |
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| 12. Elaborate about mechanism of resin finish. | | CO2 | [K ₂] |
| 13. How will you develop a special effect on stretch denim. | | CO3 | [K ₃] |
| 14. Explain about green processing and predict its advantages | | CO4 | [K ₄] |
| 15. Define the requirement of sewing threads for garment dyeing. | | CO5 | [K ₂] |
| 16. Analyse the garment laundering procedure of natural materials. | | CO6 | [K ₄] |

**Answer any FIVE Questions:-
PART C (5 x 12 = 60 Marks)
(Answer not more than 300 words)**

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|--|---|-----|-------------------|
| 17. a) Recommend a suitable finish and explain its finishing procedure to develop a glossy textural effect of a fabric | 6 | CO1 | [K ₃] |
| b) A ladies garment is planned to design with unique structural effect. Analyse and Decide an appropriate finish. Elaborate your decision and its finishing process. | 6 | CO1 | [K ₄] |
| 18. a) Explain in detail about UV protection finish and the chemicals needed for finishing cotton fabric. | 6 | CO2 | [K ₂] |
| b) Compare water proof and water repellent finish. | 6 | CO2 | [K ₄] |
| 19. a) Is sand blasting requires a special machine? Analyse its merits and demerits of sand blasting. | 6 | CO3 | [K ₄] |
| b) Differentiate between ozone and laser fading process | 6 | CO3 | [K ₂] |
| 20. a) A cotton fabric is treated with silver particles by microencapsulation and by nano finish methods. Evaluate performance, cost of the final finished product, aesthetic feel and over all comfort of both the finished fabric. | 6 | CO4 | [K ₅] |
| b) A sports garment is produced with plasma treated fabrics. Will it give better moisture management properties than the normal fabric? Give your opinion. | 6 | CO4 | [K ₃] |
| 21. a) Explain in detail about the preparation of fabric for garment dyeing and finishing. | 6 | CO5 | [K ₂] |
| b) A men's shirt manufactured using cotton/polyester blended fabrics is to be dyed at garment stage. Recommend the recipe, procedure and the machines required. | 6 | CO5 | [K ₃] |

Please indicate knowledge level (K₁toK₆) and Course Outcome level (CO1 to CO5) against each question for each subdivision.

22. a) Categories the stains and elaborate the oil stain removal method for silk saree. 6 CO6 [K₃]
b) How will you evaluate the quality of finished garment? State the standards. 6 CO6 [K₂]

Please indicate knowledge level (K₁toK₆) and Course Outcome level (CO1 to CO5) against each question for each subdivision.