

(6 pages)

Reg. No. :

Code No. : 30553 E **Sub. Code : EMCF 42/
EMFT 42/EMFD 42/
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FCFD 42**

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2026.

Fourth Semester

Costume Design and Fashion Design / Fashion
Technology / Fashion Designing and Apparel Making –
Core VIII

Major — TEXTILE WET PROCESSING

(For those who joined in July 2023 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL the questions.

Choose the correct answer :

1. In scoring, the main impurities removed are _____.
- (a) Dyes (b) Natural fats
(c) Printing pasted (d) Finished agents

2. Mercerization improves cotton fabric by increasing _____.
- (a) Shrinkage (b) Lustre
(c) Thickness (d) Fabric weight
3. Jigger machine is mainly used for dyeing _____.
- (a) Yarn
(b) Fabric in open width
(c) Loose fibers
(d) Garments
4. Natural dyes are obtained from _____.
- (a) Synthetic chemicals
(b) Petroleum Products
(c) Plant
(d) Minerals only
5. Stone wash is mainly applied to _____.
- (a) Silk (b) Wool
(c) Denim (d) Polyester

6. Nano finishes are mainly used to _____.
(a) Increase weight
(b) Provide multifunctional properties
(c) Reduce fabric width
(d) Change fabric weave
7. In discharge printing, the dyed ground color is _____.
(a) Removed in selected areas
(b) Increased
(c) Covered completely
(d) Washed out fully
8. Printing of polyester mainly uses _____.
(a) Direct dyes (b) Acid dyes
(c) Disperse dyes (d) Vat dyes
9. Flock printing produces _____.
(a) Smooth surface
(b) Raised velvet-like surface
(c) Glossy surface
(d) Transparent effect

10. Tie and dye technique mainly produces _____.
(a) Uniform design
(b) Random resist patterns
(c) Digital images
(d) Photographic prints

PART B — (5 × 5 = 25 marks)

Answer ALL the questions by choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Explain the securing process and its objectives.

Or

- (b) Differentiate between chain and chainless mercerization methods.

12. (a) Write short notes on natural dyes and their significance.

Or

- (b) List different dyeing machines used in textile industry and explain any one.

13. (a) Explain the application of enzyme wash in denim.

Or

- (b) Describe the role of microencapsulation in textile finishing.

14. (a) Describe direct, discharge and resist styles of printing.

Or

- (b) Explain printing of cellulose fabrics.

15. (a) Examine the working principle of rotary screen printing.

Or

- (b) Differentiate transfer printing and photo printing.

PART C — (5 × 8 = 40 marks)

Answer ALL the questions by choosing either (a) or (b).
Each answer should not exceed 600 words.

16. (a) Explain bleaching methods using hypochlorite, hydrogen peroxide and sodium chlorite.

Or

- (b) Describe the working of the wet processing equipment Kier.

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17. (a) Explain the classification of dyes and their suitability to different fabrics.

Or

- (b) Describe fiber, yarn, fabric and garments dyeing methods.

18. (a) Explain the application of functional finishes.

Or

- (b) Describe special purpose finishes.

19. (a) Explain printing of nylon and polyester fabrics.

Or

- (b) Explain preparation and application of printing paste.

20. (a) Analyze any two traditional printing methods.

Or

- (b) Evaluate industrial screen printing techniques.

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