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Reg. No. :

Code No. : 30557 E Sub. Code : EMCF 62/
EMFT 62/
EMFD 62

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

Sixth Semester

Costume Design & Fashion Design/Fashion
Technology/Fashion Designing and
Apparel Making – Major

COMPUTER APPLICATIONS IN GARMENT
INDUSTRY

(For those who joined in July 2023 onwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Computerized colour matching system is used to _____.
- (a) Stitch seams
 - (b) Achieve accurate shade reproduction.
 - (c) Print labels
 - (d) Fold garments

2. CAM in fashion production is mainly used for _____.

- (a) Fabric cutting automation
- (b) Fashion photography
- (c) Fashion illustration
- (d) Sales promotion

3. 3D garment designing software is best for _____.

- (a) Fabric dyeing
- (b) Virtual fit a visualization
- (c) Label printing
- (d) Thread manufacturing

4. Computerized embroidery machines are evaluated based on _____.

- (a) Stitch speed and accuracy
- (b) Manual skill
- (c) Needle color
- (d) Fabric thickness

5. Pattern grading means _____.
- (a) Cutting fabric
 - (b) Increasing or decreasing pattern size
 - (c) Stitching garment
 - (d) Folding garment
6. CAD in pattern making helps in _____.
- (a) Manual drafting
 - (b) Digital pattern modification
 - (c) Dyeing
 - (d) Packing
7. Laying and spreading machines are applied in _____.
- (a) Finishing
 - (b) Cutting preparation
 - (c) Labeling
 - (d) Packing
8. Computerized sewing machines improve _____.
- (a) Manual effort
 - (b) Stitch precision and productivity
 - (c) Fabric dyeing
 - (d) Packing

9. Collaboration between designers and AI results in _____.
- (a) Reduced creativity
 - (b) Enhanced innovation
 - (c) Increased delay
 - (d) Higher wastage
10. Future trends in digital fashion include _____.
- (a) Manual sketching only
 - (b) Virtual fashion and AI-based customization
 - (c) Hand weaving only
 - (d) No technology use

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Apply computerized production planning in a medium-scale garment unit.
- Or
- (b) Demonstrate the application of computerized colour matching system in textile production.

12. (a) Assess the effectiveness of 2D and 3D garment designing systems.

Or

(b) Evaluate computerized embroidery machines in bulk production

13. (a) Explain the process involved in pattern making using CAD.

Or

(b) Describe the grading process in pattern development.

14. (a) Apply computerized systems in Spreading and cutting operations.

Or

(b) Demonstrate how computerized sewing machines improve production efficiency,

15. (a) Evaluate Sustainability and ethical considerations in digital fashion.

Or

(b) Examine collaboration between designers and AI systems.

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PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Apply computer systems in merchandising and production coordination.

Or

(b) Develop a workflow model showing computer integration in fashion industry.

17. (a) Evaluate how 3D garment design improves product development and fitting accuracy.

Or

(b) Examine the role of computer technology in creative garment development.

18. (a) Explain advantages of CAD in body measurement and pattern making.

Or

(b) Discuss the role of 3D scanning in customized garment production.

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19. (a) Develop a computerized workflow model for cutting and sewing department.

Or

- (b) Apply digital tools in labeling and parts identification during production.

20. (a) Critically evaluate the impact of AI on fashion design and product development.

Or

- (b) Assess the future trends in digital design and artificial intelligence in fashion industry.
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