

17574

16117

2 Hours / 50 Marks

Seat No.

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- Instructions :** (1) All Questions are *compulsory*.
(2) Answer each next main Question on a new page.
(3) Illustrate your answers with neat sketches wherever necessary.
(4) Assume suitable data, if necessary.
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any SEVEN :

7 × 2 = 14

- State advantages of CAD CAM software.
- Define Grade rule.
- Write functions of (i) Docker (ii) Layers.
- State objective of CAD CAM in apparel manufacturing in short.
- What is the meaning of 'CAD-CAM' ?
- How much fabric width is normally required for women's kameez block ?
- What is the importance of marker making in garment industry ?
- Enlist the various techniques of layout planning.
- State the benefits of 3D scanning technology.
- What is texture mapping ?

2. Attempt any FOUR :

4 × 3 = 12

- Compare manual and CAD system over following points :
 - Designing
 - Pattern making
 - Grading
 - Marker plan
 - Cutting

[1 of 2]

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- (b) Explain the terms in planning makers and optimising markers.
- (c) Name the softwares used for fashion designing and explain how it works
- (d) Describe drafting manipulation of bell bottom trouser in CAD system.
- (e) Describe how to make marker in CAD system.
- (f) Explain digitising process for large pattern pieces.

3. Attempt any FOUR :**4 × 3 = 12**

- (a) List the computer softwares used in garment sector. Explain Nester software in briefly.
- (b) Draw a neat sketch and label it in reach CAD software tool used for drafting. Write the function of each tool.
- (c) Describe the concept of CAD CAM in apparel industry.
- (d) Explain process and tools applied while drafting a skirt block.
- (e) Describe in brief 'pattern grading in CAD system'.
- (f) Write down the importance of 2D to 3D conversion technology.

4. Attempt any FOUR :**4 × 3 = 12**

- (a) What is the digitiser ? Explain digitising process.
 - (b) Explain in brief the positioning of computer process.
 - (c) How many softwares are used for drafting, grading, marker making and cutting process ? Explain briefly any two softwares in details.
 - (d) Describe drape evaluation of 3D garment simulation.
 - (e) Explain how to manipulate the umbrella skirt in CAD system.
 - (f) Describe in detail draping 2D patterns on 3D dress form.
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