# 17574

## 11819
## 2 Hours / 50 Marks

Seat No.

**Marks**

1. **Attempt any <u>SEVEN</u> of the following:**  14

   a) Define the terms CAD and CAM.

   b) Define the 'Grade rule'.

   c) Enlist the CAD CAM softwares used for apparel manufacturing.

   d) State the benefits of CAD CAM software. (any two)

   e) Write the specific objectives of 3D-scanning technology.

   f) Enlist the steps in developing marker plan for women's party wear.

   g) Write the functions of 'Digitiser'.

   h) Define the term 'bell bottom trouser'.

   i) Write the advantages of computerised marker making system. Over conventional system.

   j) Define grading and enlist it's types.

**2.** **Attempt any THREE of the following:** **12**

    a) Write in brief about usages of CAD CAM software in apparel industry.

    b) Compare manual designing with CAD system.

    c) Write the drafting steps for A-line frock.

    d) Explain working of computerised fabric spreading machine.

    e) Describe the process of computerised pattern grading.

**3.** **Attempt any THREE of the following:** **12**

    a) Develop marker plan for children's Romper and calculate marker efficiency for fabric width 36″.

    b) Explain process of 2D to 3D conversion technology.

    c) Explain 'texture mapping' with relevant example.

    d) Explain the techniques used for construction of pattern shapes.

    e) Describe construction procedure for flared skirt by dart manipulation.

**4.** **Attempt any THREE of the following:** **12**

    a) Compare pattern making and pattern grading.

    b) Write the information about tools used in fashion studio softwares.

    c) Explain computer aided manipulation for bell bottom trouser.

    d) Explain following terms:

        (i) Planning for marker

        (ii) Optimizing markers

    e) Write a note on 'Drape evaluation of 3D garment simulation'.

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