

# 17574

**11718**

**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 of the following: 14**
- State the function of Marker.
  - State the concept of CAD in brief.
  - What is meant by Grade rule?
  - Enlist the CAD CAM softwares used in the garment industry.
  - State any two computer grading techniques.
  - State any two functions of Corel Draw.
  - What is meant by computerised digitising process?
  - What fabric width is required for men's formal shirt of size 42?
  - List the hard wares used in CAD-CAM.
  - What is the texture mapping? Explain.

P.T.O.

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

- a) Write the steps to draft a basic bodice block on Reach CAD software.
- b) Distinguish between manual and CAD system in designing.
- c) Which techniques are applied for pattern construction in CAD software?
- d) Explain the steps for computer aided manipulation for flared skirt.
- e) Explain the various techniques used for automated layout.
- f) Describe in brief the 2D to 3D conversion technology.

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

- a) Draw a neat sketch and explain computer aided manipulation for bell bottom trouser.
- b) Explain briefly the concept of computerised fabric spreading.
- c) Write in brief about the 'Pad system'.
- d) State the advantages of computerized pattern grading.
- e) Explain briefly the concept of drape evaluation of 3D garment simulation.
- f) Write the functions of following tools :-
  - (i) Docker
  - (ii) Lasso
  - (iii) Crop

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

- a) Write in brief the history of CAD CAM software.
  - b) Give the functions and draw the tools in photoshop software.  
(Any three)
  - c) Explain any one of the following softwares :
    - (i) Nester
    - (ii) Tukatech
  - d) Describe the process to make a 3D image on fashion design software.
  - e) Explain how to mark the plan for striped and checked fabric.
  - f) Why is marker planing an important process in any garment industry?
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