GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VII (NEW) EXAMINATION – WINTER 2018

Subject Code: 2172910   **Date: 03/12/2018**

Subject Name: CAD IN Textiles

Time: 10:30 AM TO 01:00 PM   **Total Marks: 70**

Instructions:
1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

			MARKS
Q.1	**(a)**	Give classification of Printers.	**03**
	(b)	State the steps for developing dobby design using CAD software.	**04**
	(c)	Explain some of the important features of various CAD software packages available for textiles in details.	**07**
Q.2	**(a)**	State the basic composition of CAD system used for textile designing.	**03**
	(b)	State the steps for developing Jacquard designs.	**04**
	(c)	Write note on CAD for Embroidery designs.	**07**
		OR	
	(c)	Explain the working principle of LCD monitors.	**07**
Q.3	**(a)**	Explain the process of marker making and marker planning using CAD software.	**03**
	(b)	Compare different types of printer.	**04**
	(c)	Write short note on 3D Garment Designing.	**07**
		OR	
Q.3	**(a)**	What is UPS? Explain briefly.	**03**
	(b)	How CAD is useful for determining fabric properties?	**04**
	(c)	With the help of neat diagrams, explain the working principle of on line and off line UPS in details.	**07**
Q.4	**(a)**	State the output devices used for textile CAD system.	**03**
	(b)	Describe the selection tools offered by any CAD software for jacquard designs.	**04**
	(c)	Write brief note on CAD in Fashion.	**07**
		OR	
Q.4	**(a)**	Stat the application of CAM in different areas of textiles.	**03**
	(b)	Write note on "CAD-CAM integration for textile industry".	**04**
	(c)	Discuss the yarn design and development module of any CAD software for woven designs.	**07**
Q.5	**(a)**	Explain different types of scanners used as input devise for CAD system.	**03**
	(b)	Explain the working principle of laser-jet printer.	**04**
	(c)	Write a brief note on "Latest developments in CAD systems used in different area of textiles".	**07**
		OR	
Q.5	**(a)**	Enlist the important components of jacquard CAD software.	**03**
	(b)	Discuss the steps involved in development of new screen-printed designs using CAD software	**04**
	(c)	Explain briefly about the Digital Printing of CAD	**07**

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