

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-VII (NEW) EXAMINATION – WINTER 2020****Subject Code:2172910****Date:28/01/2021****Subject Name:CAD IN Textiles****Time:10:30 AM TO 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Classify printers.	03
	(b) State and explain different steps involved in manual method of fabric designing.	04
	(c) Give classification of scanners. With the help of neat diagrams, explain the principle of working of scanner.	07
Q.2	(a) Discuss the factors determining the height and width of the image file for developing jacquard designs.	03
	(b) Give the significance of float check, and also explain the process of performing float check in a woven design using any CAD software.	04
	(c) Discuss the tools/method used for designing of double cloth/figuring fabrics using any CAD software for woven designs.	07
Q.3	(a) Compare Online with Offline UPS.	03
	(b) With the help of neat diagram, explain the principle of working of Laser jet printer.	04
	(c) With the help of neat diagrams, explain the principle of working of LED monitors. Also, discuss some of the parameters for comparing different types of monitors.	07
Q.4	(a) State and explain different technologies of monitors.	03
	(b) State and explain some of the important Input devices to computers.	04
	(c) Discuss, in detail, the parameters to be considered for comparison of different scanners.	07
Q.5	(a) What is auto weave insertion w.r.t. to any CAD software for woven designs?	03
	(b) Write a brief note on “3D Texture Mapping”.	04
	(c) Discuss briefly the steps involved in duplication of Dobby/Jacquard/printed Designs from fabric sample using any CAD software.	07
Q.6	(a) What is a colour palette? Name the common colour palette used by CAD for Textile Designs.	03
	(b) Discuss the yarn design and development module of any CAD software for woven designs.	04
	(c) Draw a neat screen layout of any CAD software for jacquard and also explain the important components of the same.	07

- Q.7** (a) What do you mean by Pattern Grading? **03**
(b) Write a brief note on the "Image Editing Tools". **04**
(c) Write a brief note on "CAD in Fashion". **07**
- Q.8** (a) What do you mean by Colour Reduction? **03**
(b) Write a brief note on "Use of CAD for determining Fabric Properties". **04**
(c) Discuss the application of CAM in different areas of Textiles. **07**

www.FirstRanker.com