GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII (NEW) - EXAMINATION - SUMMER 2017

Subject Code: 2172908

Subject Name: CAD IN Textiles

Time: 02.30 PM to 05.00 PM

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- Q.1 (a) State and explain different stages involved in manual and computerized 07 methods of designing. Also, highlight some of the important advantages of using computerized method of designing.
 - (b) Draw a neat screen layout of any CAD software for dobby and also explain the 07 important components of the same.
- Q.2 (a) Write a brief note on the "CAD for Digital Printing". 07
 - (b) Discuss briefly the steps involved in duplication of Jacquard Designs from 07 fabric sample using any CAD software.

OR

- (**b**) Write a brief note on the "Image Editing Tools".
- Q.3 (a) State basic composition of a CAD system used for textile designing. With the help of neat diagrams, explain different types of scanners used as input devices for any such CAD system.
 - (b) State the output devices used for textile CAD system. With the help of neat diagrams, explain principle of working of LCD monitors. Also, state and explain some of the features of LCD monitors.

OR

- Q.3 (a) Give classification of printers. With the help of neat diagrams, explain the 07 principle of working of laser-jet printer in detail.
 - (b) State and explain some of the varieties of graphic cards used in textile designing 07 and their influence on the working of the same in detail.
- Q.4 (a) Discuss the yarn design and development module of any CAD software for 07 woven designs.
 - (b) Discuss briefly the steps involved in preparation of Embroidery Designs using 07 any CAD software.

OR

- Q.4 (a) Give the significance of float checking. Also discuss the process for float 07 checking using any CAD software.
 - (b) Discuss the important components of any CAD system for designing of **07** Garments.
- Q.5 (a) Write a brief note on "Latest Developments in CAD systems used in different 07 areas of Textiles".
 - (b) Write a brief note on "3D Texture Mapping". 07

OR

- Q.5 (a) What do you mean by Marker Planning? Explain the process of Marker Making 07 & Marker Planning using CAD in detail.
 - (b) Discuss the application of CAM in different areas of Textiles. 07

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Date: 09/05/2017