



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

SECOND YEAR SECOND SEMESTER EXAMINATION FOR DEGREE IN

BACHELOR OF SCIENCE FASHION DESIGN AND MARKETING

HFD 207: COMPUTER APPLICATION IN FASHION AND TEXTILE

DATE: 8/5/2019

TIME: 8:30 – 10:30 AM

INSTRUCTIONS:

- i) This paper consists of **FIVE** questions.*
- ii) Answer **Question 1** and any other **two** questions.*
- iii) **Question 1**=20 marks*
- iv) **Question 2 to 5**=15 marks each*

QUESTION ONE (COMPULSORY) (20 MARKS)

- a) Write short notes on the following terms as used in Gemini CAD software for fashion designing
 - i) Project (2 marks)
 - ii) Pattern (2 marks)
- b) Give FIVE (5) reasons for adopting CAD in fashion and textile (5 marks)
- c) State the role of Computer in Manufacturing (2 marks)
- d) Explain the difference between bitmap and vector images as used in CAD for fashion (4 marks)
- e) List FIVE (5) conditions of a good CAD workstation. (5 marks)

QUESTION TWO (15 MARKS)

- a) You want to illustrate a skirt with buttons. Describe to a group of students seven steps to follow in order to come up with a new library of custom-made symbols made of buttons. (7 marks)
- b) Using relevant illustrations give eight steps to follow when inserting darts in a bodice block with Gemini CAD for fashion. (8 marks)

QUESTION THREE (15 MARKS)

CAD utilizes the computer as a tool for all functions that are involved in fashion product development process. Discuss.

QUESTION FOUR (20 MARKS)

- a) As a resource person invited to a design school to give a talk on CAD/CAM software's. Discuss THREE software packages that you would propose for the school (9 marks)
- b) Elaborate the use of these CAD features in production of fashion clothing (6 marks)
- i) Rendering
 - ii) 3D modelling

QUESTION FIVE (20 MARKS)

MAYA is a fashion house that incorporates computer in design and production of their denim wear collection. As the lead fashion designer asked to give a talk on computer systems in the fashion house.

- a) Describe the three graphical display devices that are used by the fashion design house to display graphical information (9 marks)
- b) Discuss three social media trends used in the fashion design house. (6 marks)