



# MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

SECOND YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE FASHION DESIGN AND MARKETING

HFM 207: COMPUTER APPLICATION IN FASHION AND TEXTILE

DATE:

TIME:

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## 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 reasons for adopting CAD in fashion and textile (5 marks)
- c) What is 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 down FIVE conditions of a good CAD workstation. (5 marks)

## QUESTION TWO (20 MARKS)

- a) You want to illustrate a skirt with buttons. Describe to a group of students how to come up with a new library of custom made symbols made of buttons. (7 marks)
- b) Using relevant illustrations explain how to insert darts in a bodice block when using 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 (15 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 (15 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 various graphical display devices that are used by the fashion design house to display graphical information (9 marks)

b) Discuss the social media trends and use by fashion the fashion design house (6 marks)