



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE IN
BACHELOR OF SCIENCE FASHION DESIGN AND MARKETING

HFD 404: COMPUTER APPLICATION IN FASHION AND TEXTILES

DATE: 9/5/2019

TIME: 2:00 – 4:00 PM

INSTRUCTIONS:

- i) *This paper consists of **five** questions.*
- ii) *Answer Question 1 and any other **three** 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 computers for fashion designing
 - i) CAM (2 marks)
 - ii) CAD Workstation. (2 marks)
 - iii) E-retail (2 marks)
 - iv) CAD Software (2 marks)
- b) Explain THREE (3) fundamental transformation tools used in adobe illustrator by a fashion designer. (3 marks)
- c) State SIX (6) advantages of using CAD in fashion (6 marks)
- d) Identify SIX (6) input devices that can be used by a clothing designer in CAD/CAM. (3 marks)

QUESTION TWO (15 MARKS)

Discuss the role of Computers in the three phases of fashion product development.

QUESTION THREE (15 MARKS)

A Fashion designer intends to use specialist CAD software to develop and sell a handbag.

Describe the following features of the CAD software and state an advantage of each to the designer when designing the product from scratch.

- i) Rotate
- ii) Zoom
- iii) Laser scanning
- iv) Hatching
- v) 3D modelling

QUESTION FOUR (15 MARKS)

- a) The market trend today has seen a wide variety of CAD/CAM software that students can use. Discuss in detail THREE illustration software that a fashion design student can use
(10 marks)
- b) Using illustrations demonstrate to your fellow student FIVE steps to be followed in defining a dart using the Gemini CAD.
(5 marks)

QUESTION FIVE (15 MARKS)

- a) Discuss future trends of Computer Technology in Textile and fashion.
(10 marks)
- b) Expand on the FIVE roles of e-commerce to a fashion designer
(5 marks)