MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

FIRST YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN FASHION DESIGN AND MARKETING

HFD 105: INTRODUCTION TO INFORMATION TECHNOLOGY AND COMPUTER

AIDED DESIGN FOR TEXTILES

DATE: 19/01/2021   **TIME: 8.30-10.30 AM**

INSTRUCTIONS:

This paper consists of **FIVE questions.**
Answer **Question 1** and any other **TWO** questions
Question 1 carries 30 marks
Question 2-5 carry 20 marks each

QUESTION ONE (30 MARKS)

a)   Define the following terms:

   i.   Graphic user interface   (2 marks)

   ii. Warm booting   (2 marks)

b)   State three (3) advantages of using computerized body measuring systems   (3 marks)

c)   Highlight three (3) reasons why a student may not be able to see the illustration done on an illustrator Art board   (3 marks)

d)   Suggest (4) four advantages of using Computer Aided Design (CAD) as a fashion designer
                                                                    (4 marks)

e)   Distinguish between:

   i)   Raster file and Vector file   (4 marks)

   ii)   Primary memory and Secondary memory in computers   (4 marks)

f)   Explain (4) four factors that a designer should consider when purchasing a system for Computer Aided Design   (8 marks)

QUESTION TWO (20 MARKS)

The Fashion industry is fast adopting computer technology in its functions. Elaborate (10) ten Computer Aided Design (CAD) systems you would adopt in apparel manufacture.

QUESTION THREE (20 MARKS)

You are working on Adobe Photoshop to monitor and modify images. Discuss (4) four components of palettes that can aid this process.

QUESTION FOUR (20 MARKS)

a)   Explain to an interview panel the process of designing a skirt and filling it with creative patterns using computer aided design.   (10 marks)

b)   Discuss the functions of an operating system (OS) with a visiting fashion designer.

(10 marks)

QUESTION FIVE (20 MARKS)

a)   You have been invited as a resource person in a design school. Explain to the students how RGB and CYMK color modes are used in representing color in computer graphics.

(10 marks)

b)   You are introducing computer Aided Design to a class of Fashion students, give the details of a power point presentation on how the following tools function in Photoshop software.
   i.   Dodge tool
   ii.   Burn tool
   iii. Sponge tool
   iv.   Magic wand
   v.   Opacity tool   (10 marks)