



MACHAKOS UNIVERSITY

University Examinations 2016/2017

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN AND MARKETING

SECOND YEAR FIRST SEMISTER EXAMINATION FOR DEGREE IN

BACHELOR OF SCIENCE IN FASHION DESIGN AND MARKETING

**HFD 105: INTRODUCTION TO INFORMATION TECHNOLOGY AND CAD FOR
TEXTILES**

DATE: 2/6/2017

TIME: 8:30 – 10:30 AM

INSTRUCTIONS

This paper consists of five questions.

Answer Question 1 and any other two questions

Question 1= 20 marks

Question 2-5= 15 marks each

1.
 - a) State 4 (four) advantages of using CAD in textile designing (4 marks)
 - b) Outline 4 (four) applications of CAD in textile designing (4 marks)
 - c) Providing 1 (one) example of each differentiate between computer hardware and computer software (4 marks)
 - d) Explain the difference between multitasking and multiprocessing (2 marks)
 - e) Using 2 (two) examples elaborate on computer peripheral (3 marks)
 - f) Give 3 (three) examples of CAD software used in fashion and textile (3 marks)
2.
 - a) Discuss why you would use a digital camera for fashion photography. (7 marks)
 - b) Outline 3 (three) different image formats used to save digital photos (6 marks)

- c) Briefly explain pixelation in relation to digital photography (2 marks)
3. Discuss the 3 (three) principles of 3D body scanning system technologies (15 marks)
4. Explain how as a fashion designer you would employ CAD to produce and market your creations from concept to final product (15 marks)
5. Explore with upcoming fashion designers 3 (three) applications of 3 D body scanning in the fashion industry (15 marks)