



# MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN

FOURTH YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE FASHION DESIGN AND MARKETING

HFD 404- COMPUTER APPLICATION IN TEXTILE

DATE: 25/9/2019

TIME: 2:00 – 4:00 PM

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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)**

- a) State the difference between the following terms as used in Computer fashion application
  - i. Vector and bitmap images (2 marks)
  - ii. CAD and CAM (2 marks)
- b) Provide any six (6) examples of CAD software that are specifically used by clothing designers and manufacturers. (3 marks)
- c) Explain **THREE** (3) fundamental transformation tools used in adobe illustrator by a fashion designer (3 marks)
- d) Give **SIX** (6) factors to consider when purchasing a computer for CAD (6 marks)
- e) Highlight **FOUR** (4) limitations of CAD in clothing and fashion design (4 marks)

**QUESTION TWO**

- a) You have manually sketched a woman's handbag on a drawing paper. Describe seven steps to follow in order to convert this illustration in to a vector image in adobe illustrator. (7 marks)

- b) Explain to a group of students eight steps to be followed in drafting a skirt pattern and inserting corner notches using Gemini CAD software of your choice (8 marks)

### **QUESTION THREE**

A design company is using a CAD/CAM package to help design and produce for their customers. Discuss the how CAD/CAM is integrated in the garment production stage.

### **QUESTION FOUR**

- a) You have been asked to launch CAD computer system for designing fashion.  
Prepare detailed description for a typical CAD workstation with latest hardware  
(15 marks)
- b) Give advice on FIVE (5) factors they should consider in purchase of the above equipment  
(5 marks)

### **QUESTION FIVE**

- a) Elaborate briefly seven steps to follow when creating a zipper as a symbol for use in adobe illustrator  
(7 marks)
- b) Citing examples highlight how one can leverage FOUR social media tools in fashion and textile designing.  
(8 marks)