



MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF FASHION DESIGN

SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN FASHION DESIGN AND MARKETING

HFM 207: COMPUTER APPLICATION IN TEXTILE

DATE:

TIME:

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 following terms as used in Computer fashion application
 - i) CAD work station (2 marks)
 - ii) CAM (2 marks)
- b) Identify any FOUR (4) computer graphical displays used by clothing designers and manufacturers. (2 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 computer for CAD in fashion (6 marks)
- e) Highlight FIVE (5) limitations of CAD for drafting patterns (5 marks)

QUESTION TWO

A Fashion designer intends to use specialist CAD software to develop a clothing line.

Describe the following features of the CAD software and describe an advantage of each to the designer when designing the product from scratch (15 marks)

- i) 3D body scanning
- ii) Costing
- iii) Scale
- iv) Rendering
- v) 3D modelling

QUESTION THREE

- a) Briefly describe the advantages of CAD pattern drafting over manual drafting (10 marks)
- b) Using illustrations outline FIVE steps to be followed in order to add seam allowances with the GEMINI CAD software (5 marks)

QUESTION FOUR

Discuss the impact of CAD and CAM in the textile industry today

QUESTION FIVE

Identify and evaluate five (5) hardware you would find in a typical CAD workstation