



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

**SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
(FASHION DESIGN AND MARKETING)**

HFD 105: INTRODUCTION TO I.T AND CAD FOR TEXTILES

DATE: THURSDAY, 29TH MARCH 2012

TIME: 11.00 A.M. – 1.00 P.M.

Instructions:

Answer all questions in this section and any TWO questions in section B. Use illustrations where applicable.

Section A . (30 marks)

Answer all questions in this section.

1. a) Using appropriate examples, differentiate between hardware and software in computer applications. (4 marks)
b) How does a system software differ from an application software? (2 marks)
2. Briefly explain the advantages of using layers in Photoshop. (2 marks)
3. i) Define the term CAD (1 mark)

ii) Explain steps a design student would use to change the colour a garment in a photograph using Photoshop. (5 marks)
4. Explain how each of the following terms is used in the Computer Aided Design. (10 marks)
 - i. Flyout
 - ii. Dodge tool
 - iii. Pixel
 - iv. Bitmaps
 - v. Vector image
 - vi. Croquios
 - vii. PNG image.
 - viii. Sponge tool
 - ix. Scanner
 - x. Light pen
5. Briefly explain advantages of CorelDraw over paint. (6 marks)

SECTION B (20 marks)

Answer Any TWO questions in this section. Each question carries equal marks.

6. A fashion design student needs to purchase a computer system for their CAD. Explain the various components that these student must ensure they have to successfully do their design work.(10 marks)
7. Explain a step by step process of creating full repeat pattern using CorelDraw software and loading it onto a fashion template. (10 marks)
8. Technology has greatly improved the designing and manufacturing of textile and apparel item. Discuss the advantages of CAD and CAM (10 marks)
