



THE KENYA POLYTECHNIC UNIVERSITY COLLEGE

GRAPHIC ARTS DEPARTMENT
DIPLOMA IN ART & DESIGN (GRAPHIC DESIGN OPTION)
END OF YEAR I EXAMINATIONS
NOVEMBER 2007
COMPUTER APPLICATIONS
3 HOURS

INSTRUCTIONS TO CANDIDATES:

This paper consists of TWO sections, A and B.

Answer THREE questions from section A.

Section B is COMPULSORY.

All questions carry equal marks and the maximum marks for each part of a question are as shown.

This paper consists of 5 printed pages

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SECTION A:

1. (a) Describe the TWO classes of software. (4 marks)
(b) Explain FIVE functions of an operating system. (10 marks)
(c) Explain THREE types of operating system. (6 marks)
 2. (a) Define a computer. (1 mark)
(b) Explain any THREE classifications of computers. (15 marks)
(c) Distinguish between:
 - (i) Data and information.
 - (ii) Bit and Byte (4 marks)
 3. Discuss the impact of computers to you as a graphic designer. (20 marks)
 4. (a) Outline any THREE characteristics of:
 - (i) LAN (ii) WAN (6 marks)
(b) Name the type of wireless medium that is suitable for the following applications:
 - (i) TV remote controller
 - (ii) Satellite-based WAN
 - (iii) Point-point link between two sites 10km (3 marks)
(c) (i) Define computer network topology. (1 mark)
(ii) With the aid of appropriate diagrams, describe any TWO types of network topologies. (10 marks)
5. **Ms. Word** - **SECTION B** (20 marks)

Type and format the passage on **KILLING FIELDS** provided and save it in your TERM 2 folder under the name **killing**.

- Headline (Aerial, 24pts), border colour is blue
- Body text (courier, 12 pts)
- Use 1.5 line spacing
- Text colours (for names of animals) is purple
- Footer indicating your college number
- Use Times new roman font of appropriate size for the figure.

6. PRESENTATIONS

(20 marks)

Format

Prepare the presentation and format it as specified below:

- (i) Insert slide number and footers (college number)
- (ii) Use any design template
- (iii) Use Aerial font with size 14 for the bullets and 20 for the titles.

Transitions

Transition between slides:

- (i) Type - shape circle
- (ii) Speed - medium
- (iii) Advance on mouse click and automatically after five seconds

Save your file under the name **Design**.