



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018

(CITY CAMPUS)

FIRST SEMESTER EXAMINATION FOR DIPLOMA IN SECURITY MANAGEMENT AND POLICE STUDIES

KPS 039: COMPUTER APPLICATION IN POLICING

DATE: Wednesday, 7th February 2018

TIME: 5.30 p.m. - 7.30 p.m.

INSTRUCTIONS:

Attempt question ONE and any other TWO questions.

- Q1. a) Outline the benefits of using computer systems in an organization. (4 marks)
- b) With the aid of an example in each case distinguish between the following:
- i) Primary and secondary memory;
 - ii) Computer input device and output device.
 - iii) System software and application software. (6 marks)
- c) Describe **three** functions of operating systems. (6 marks)

- d) Figure 1 shows tool from word processor. Use it to answer the question that follows:

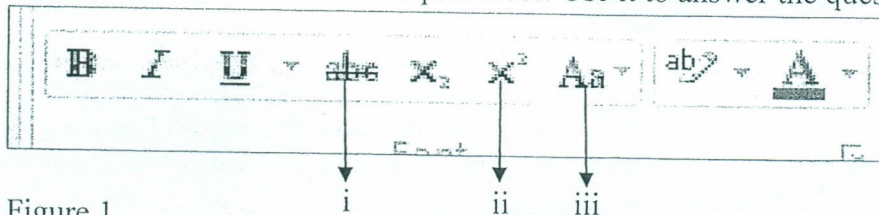


Figure 1

Explain the function of the features parts labeled I, II, III.

(6 marks)

- e) Outline **four** symptoms of a computer infected with virus. (4 marks)
- f) Describe the procedure of protecting a work book to ensure the contents cannot be seen by unauthorized person. (4 marks)

- Q2. a) Define each of the following terms as used in word processing program:
- i) Drop Cap;
 - ii) Watermark;
 - iii) Thesaurus;
 - iv) Formatting. (4 marks)
- b) i) Define the term proofreading as used in word processing (2 marks)
- ii) Describe **three** proofreading features in word processing (3 marks)
- c) i) Define term editing as used in word processing program. (2 marks)
- ii) Describe **three** editing operations that can be carried out on a word document. (3 marks)
- d) A secretary of a certain institute was required to print personalized fee demand notes for students. She decided to use the mail merge feature.
- i) Define the term mail merge (2 marks)
 - ii) Describe the **two** files that she could have used to achieve her objective. (4 marks)

- Q3. a) With aid of an example in each case differentiate between web browser and a search engine. (4 marks)
- b) i) With aid of a sketch describe **two** network topologies as used in computers. (4 marks)
- ii) Discuss four negative effects of internet use in the modern society. (4 marks)
- c) A newly elected County Governor intends to set up internet connectivity in the Governor's office. Advise him on the following aspects:
- i) Internet connection requirements (4 Marks)
 - ii) **Four** Internet services that would be realized from this connectivity. (4 Marks)

- Q4. a) Faith a computer technician wanted to insert the following charts in a spreadsheet document:
- i) Chart to compare multiple values
 - ii) Chart to display the contribution of each value to the total
 - iii) Chart to compare values across categories
 - iv) Chart to display trends over time
- Identify the type of charts that she inserted in each case. (4 marks)

b) Differentiate between the following terms as used in spread sheets:

- i) Worksheet and workbook
- ii) Formula and function
- iii) Sort and filter

(6 marks)

c) Figure 2 shows an extract from a spreadsheet program. Use it to answer the questions that follow.

1	KIAMAWE HIGH SCHOOL										
2	names	maths	english	kiwahili	computer	life skills	total	average	round off	grade	remarks
3	miami	45	67	68	45	68	293	58.6	59	C	POOR
4	moses	56	87	67	45	58	313	62.6	63	B	WELL DONE
5	esmos	34	45	46	54	47	226	45.2	45	D	POOR
6	charles	54	45	47	36	56	238	47.6	48	D	POOR
7	enoch	67	68	74	67	54	330	66	66	B	WELL DONE
8	dancy	70	78	84	56	87	375	75	75	A	WELL DONE

Figure 2

i) Outline the procedure followed to make the ROW 2 contents tilt as shown in extract above.

(3 marks)

ii) Write a function that could be used to calculate the following:

I Totals;

(2 mark)

II Average;

(2 mark)

IV Grade;

(3 marks)

Hint (the cut off for the remarks is 60 marks in the round off column)

Q5. a) i) Define each of the following terms as used in presentation program.

I. Slide.

II. Slide master.

(4 marks)

ii) Outline two application areas of presentation program.

(2 marks)

b) Differentiate between Transition and Animation as used in presentation program

(6 marks)

c) Explain the application of computers in security management.

(4 marks)

d) Describe four computer generations.

(4 marks)