2920/102A COMPUTER APPLICATIONS I (THEORY) Paper 1 November 2021

Time: 2 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

MODULE I

COMPUTER APPLICATIONS I (THEORY)

Paper 1

2 hours

INSTRUCTIONS TO CANDIDATES

This paper consists of SIX questions.

Answer any FOUR of the SIX questions in the answer booklet provided.

Candidates should answer the questions in English.

This paper consists of 4 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

(d) (4 marks)

3. (a) Internet services they would get from this connectivity (3 marks)

Distinguish between a macro and a module as used in databases. (4 marks) (b)

Figure 1 shows the errors generated when a wrong formula is entered in cell C1 and cell (c) C2 in a worksheet.

100 m	A	В	C
	45	45	#NULL!
1 2	45	45	#NAME?

Figure 1

Write the formula that may have been entered in the cells to generate the errors in cell (4 marks) C1 and C2.

Marion has been tasked to design wedding cards for her friend using a desktop (d) publication application. Outline four types of layout guides that she could use while designing the cards. _ ** ** (4 marks)

With the aid of two examples, explain the term transition as used in presentation (a) (3 marks) programs.

Julie intends to add a table in a database she created. Outline four ways she could (b) - On the Ribbon Chele Orealtens of the dies create table - Und right table (4 marks)

1.

2.

Figure 2 is a spreadsheet extract. Use it to answer the questions that follow.

	A	В	C	D
	Subject	Weight	Score	Weighted Score
2	Mathematics	0.3	80	24
3	Operating system	0.4	70	28
4	ICT and Ethics	0.3	60	18
4	Average Weighted		22.66	

Figure 2

(ii)

Using a function and cell addreses only, write a formula that may have been used to compute each of the following:

- Weighted score in cell D3; = 53 ((82*C2)/(ov)) Weighted score in cell D3; = D3 (CD2+D3+D4)/3)) 4 Average weighted score in cell D5. = D6 (CD2+D3+D4)/3)) (4 marks) (i)
- An organization has noted that the security of their data in the database is compromised. (d) Explain two types of threats that the database could have been exposed to. (4 marks)
- State six effects that could be applied to the shapes created in a slide of a presentation 5. (a) program. - Shape 4(1). (3 marks)
 - Distinguish between tracking and leading as used in desktop publishing applications. (b)
 - Joan entered the number 13000.8779 in cell A1 of a worksheet in a spreadsheet. Write a (c) formula that would be used to round the number:
 - (i) to the nearest integer;
 - (ii) as a multiple of 5.

(4 marks)

Ruth inserted a picture labelled S in a publication she designed as shown in Figure 3. (d) She applied different transformations to achieve the results labelled W, X, Y and Z.

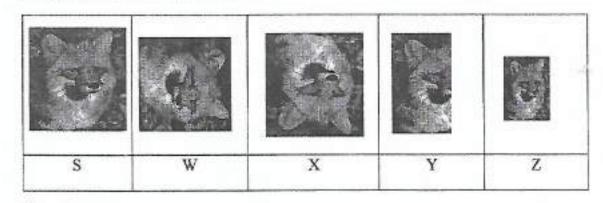


Figure 3 State the type of transformations she applied in each case.

(4 marks)

- Outline three ways that could be used to align text in a paragraph while designing a 6. (a) brochure in a desktop publishing application.
 - Explain the circumstance that would necessitate the use of each of the following (b) operators when querying a database.
 - -toutaplication Addition AND:
 - Multiplication (ii)

(4 marks)

- Sam intends to view a report created using a database program before printing. Explain (c) two ways he could use to achieve this. (4 marks)
- Peter intends to print slides created using a presentation program. Outline four options (d) he could use to print the slides. Think as handeal? (4 marks)

- print ou muniter of childre per page. - Pernt ou stides

THIS IS THE LAST PRINTED PAGE.

What