



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2021 / 2022 ACADEMIC YEAR

END OF SEMESTER EXAMINATIONS YEAR ONE SEMESTER TWO EXAMINATIONS

FOR THE DEGREE OF (COMPUTER SCIENCE)

COURSE CODE : CSC 124

**COURSE TITLE : FUNDAMENTALS OF
COMPUTING ESSENTIALS II**

DATE: 10/05/2022 TIME: 02:00 P.M – 04:00 P.M

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION ONE (COMPULSORY) [30 MARKS]

a. The following are commands used in DOS. Indicate whether they are internal or external then write what they do.

- i. Diskcomp [1 Mark]
- ii. Cls [1 Mark]
- iii. Cmd [1 Mark]
- iv. Fc [1 Mark]
- v. Keyb [1 Mark]
- vi. Type [1 Mark]

b. Describe what the following windows shortcuts do

- i. Ctrl + Z [1 Mark]
- ii. Alt + F4 [1 Mark]
- iii. F3 [1 Mark]
- iv. Alt + left arrow [1 Mark]
- v. Ctrl + Esc [1 Mark]
- vi. Ctrl + D [1 Mark]

c. i. Describe two similarities and differences between MS Excel and MS Word [4 Marks]

ii. What does OLE in excel mean? Why is it important? [2 Marks]

iii. When working with Excel, an auto fill feature is available. What can the user do with it? [2 Marks]

iv. By default an excel row is _____ points high and the columns are _____ characters wide [2 Marks]

v. Define the term macro. What is it used for? [2 Marks]

vi. List four word processing packages available for use by a student. [2 Marks]

- vii. The status bar is found at the bottom of an Ms word page. Detail four things it displays [2 Marks]
- viii. What are dialogue boxes and why are they important in computing? [2 Marks]

QUESTION TWO [20 MARKS]

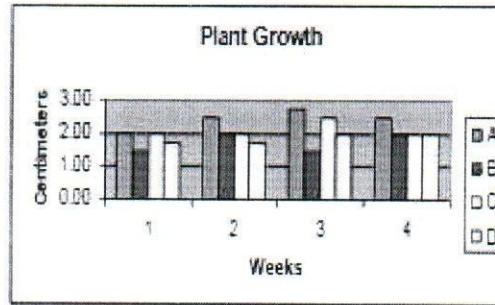
- a. Show the difference between the following:
- i. Buffer [1 Mark]
 - ii. Cache [1 Mark]
 - iii. Spooler [1 Mark]
- b. i. Illustrate your understanding of the Disk Operating System [2 Marks]
- ii. Outline three tools that the Graphical User Interface typically uses [3 Marks]
- c. i. With one example each, differentiate between a formula and a function. [4 Marks]
- ii. Below is an extract from a spreadsheet worksheet showing list of items in a shop. Use it to answer the question that follows

List of Items in a Shop				
2010				
Item No.	Item Name	Buying Price	Selling price	Profits
001	Tooth paste	200	250	50
002	Flour	345	400	55
003	Soap	190	250	60
004	Shoe polish	60	100	40
005	Freshener	230	300	70
Number of items whose profit is less than 55				

- Using a function and cell reference only, write a formula that will be used to compute the number of items whose profit is less than 55. [3 Marks]
- iii. What is the difference between an absolute cell reference and a relative cell reference? [2 Marks]

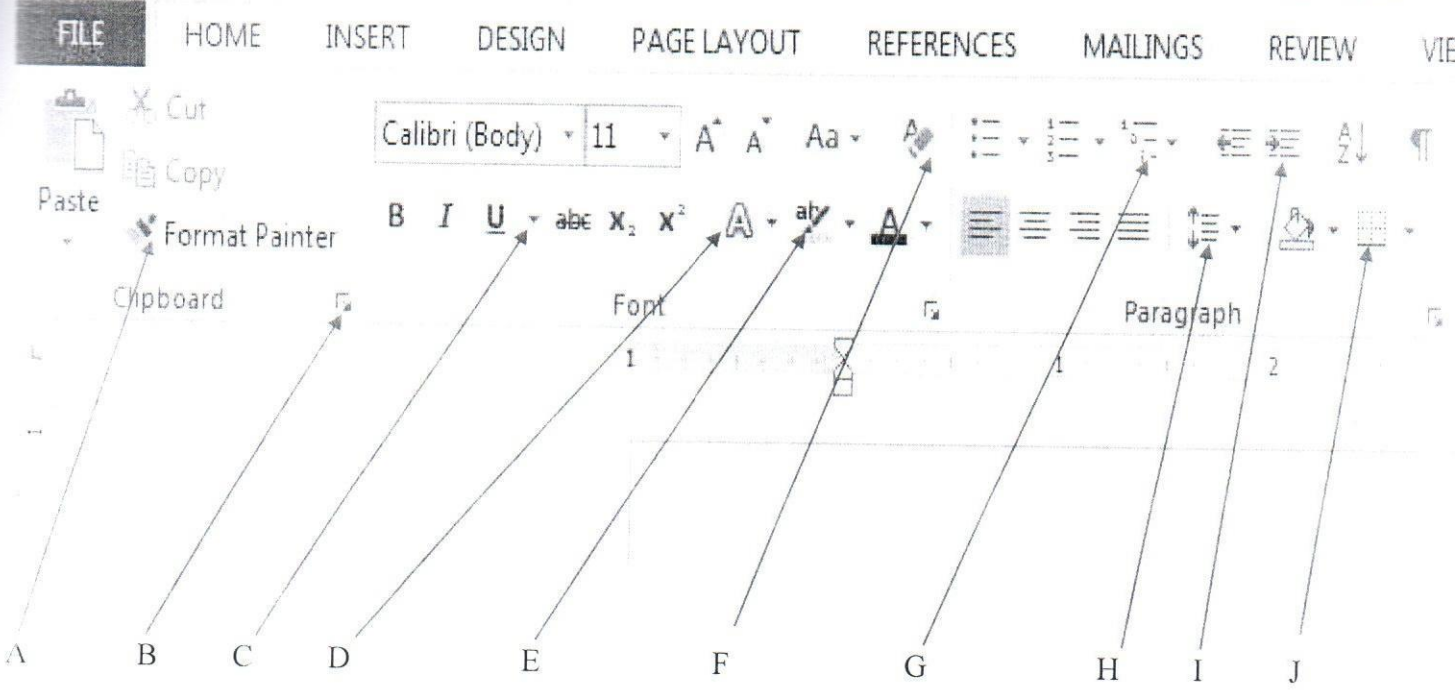
iv. What type of chart is this? Identify two parts of the chart.

[2 Marks]



QUESTION THREE [20 MARKS]

- a. i. Describe how a word document can be arranged into columns [3 Marks]
- ii. What is the meaning of a red wavy line in Ms Word? Give two reasons [2 Marks]
- iii. Could it be possible that the word above could be correct? Give one reason [2 Marks]
- iv. What is the purpose of a header and a footer in an office document? [1 Mark]
- v. What is meant by the term margin in Ms-Word? Why is it important? [2 Mark]
- b. Use the Ms-Word extract below to answer questions that follow



Name the parts labelled A – J

[1 Mark each]

QUESTION FOUR [20 MARKS]

a. i. A new slide is inserted by pressing the keyboard shortcut _____

[1 Mark]

ii. Describe how you can set a password in power point

[5 Marks]

iii. In PowerPoint 2013 you can play background music during the duration of your slide show.

Illustrate to your colleague how this is done.

[4 Marks]

b. Which shortcut key is used to:

i. Start a slideshow

[1 Mark]

ii. Exit from the slideshow?

[1 Mark]

iii. What is a placeholder? Give its use in PowerPoint

[2 Marks]

iv. How would you insert a logo that will appear in the same position on all the slides? [2 Marks]

c. Differentiate between

i. Spyware and malware [2 Marks]

ii. Virus and logic bomb [2 Marks]

QUESTION FIVE [20 MARKS]

a. What do you understand by the following terms:

i. Database [1 Mark]

ii. DBMS [1 Mark]

iii. RDBMS [1 Mark]

iv Redundancy [1 Mark]

b. i. Explain the terms 'Record', 'Field' and 'Table' in terms of database [3 Marks]

ii. Explain the Primary Key and Composite Key. [2 Marks]

c. Based on the given employee table, solve the following queries.

empId	empName	Age	Address
1001	Rohan	26	Delhi
1002	Ankit	30	Gurgaon
1003	Gaurav	27	Mumbai
1004	Raja	32	Nagpur

i. Write the SELECT command to display the details of the employee with empId as 1004

[2 Marks]

ii. Draw a table that will show the above results

[1 Mark]

iii. Write the SELECT command to display all the records of the employee whose name starts with the character 'R'. [2 Marks]

iv. Draw a table that will display the results above

[1 Marks]

v. Write a SELECT command to display id, age and name of the employees with their age in both ascending and descending order.

[2 Marks]

d. i. What is a computer network?

[1 Mark]

ii. What is the difference between a portal and a blog

[2 Marks]