



University of Fort Hare
Together in Excellence

SUPPLEMENTARY EXAMINATIONS: JAN / FEB 2019

ICC121/ 121F

INTRODUCTION TO COMPUTERS AND COMPUTING

Time: 3 HOURS

Marks: 100

Internal Examiner

Internal Examiner

Mr SR Mbombela

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Instructions

- This paper consists of 11 pages including cover page.
- This paper consists of THREE Sections:
 - Section A [20 Marks]
 - Section B [30 Marks]
 - Section C [50 Marks]
- Answer ALL questions in all Sections
- Start each question on a new page
- Write clearly and legibly

SECTION A _____ [20]

QUESTION 1 _____ (10)

Various options are given as possible answers to the following questions. Choose the most appropriate answer and write only the letter (A–D) next to the question number (1.1–1.10), for example 1.11 D

1.1. Which one of the following is a basic functions of an Operating Systems?

- A. Provides a user interface
- B. General-purposes
- C. It helps users solve particular problems(specific task)
- D. Virus protection (1)

1.2. Which ONE of the following refers to system software that is used for routine computer maintenance?

- A Accessories
- B Gadgets
- C Driver programs
- D Utility programs (1)

1.3. Which one of the following is not an icon?

- A. File
- B. Picture
- C. Disk
- D. Desktop (1)

1.4 . Which one of the following is not measuring units for bandwidth?

- A. Mbps.
- B. Kbps.
- C. Hbps.
- D. bps. (1)

1.5. This is the type of a software which checks the amount of available memory and scans for viruses in the computer system.

- A. Database
- B. Graphic User Interface
- C. Utility Programs

- D. Application programs (1)
- 1.6 .Which one of the following is not an example of an operating system?
- A. Linux(Ubuntu)
 - B. UNIX
 - C. Mac OS X
 - D. Microsoft office (1)
- 1.7. Which ONE of the following describes software that one can download from the Internet and which one can use free of charge for a limited period.
- A. Freeware
 - B. Shareware
 - C. Open source
 - D. Proprietary software (1)
- 1.8. Which ONE of the following is Not a Web browser?
- A. Google
 - B. Internet Explorer
 - C. Opera
 - D. Mozilla Firefox (1)
- 1.9 .Which of the following is an internet service provider?
- A. Telkom
 - B. MTN
 - C. Vodacom
 - D. ESKOM (1)
- 1.10 .Which one of the following is a characteristic of a virus?
- A. Execute, Replicate
 - B. Exception , Replicate
 - C. Exception , Execute
 - D. Exception , replicate, Execute (1)

QUESTION 2 _____ [10]

Choose a term/concept from COLUMN A that matches the description in COLUMN B. Write only the letter (A–J) next to the question number (1.–10) in the ANSWER BOOK, for example 11 U. Match Column 'A' with Column 'B'.

| # | COLUMN A | COLUMN B |
|-----|-------------------------|---|
| 1. | Anti-viruses | A. application program by Microsoft excel documents |
| 2. | Software piracy | B. computer device used to connect to the internet |
| 3. | Mechanical mouse | C. Holding areas for data and instructions |
| 4. | .xls | D. A physical arrangement for a Local Area Network (LAN) in which all nodes are individually connected to a central connection point, like a hub or a switch. |
| 5. | Trojan Horse | E repeat or forward any signal from one device to another (a process called broadcasting) |
| 6. | Formatting text | F. changing the text appearance in a document |
| 7. | Central Processing Unit | G. computer programs or software written to protect a computer against computer viruses |
| 8. | Bandwidth | H. Is the crime of stealing software programmes and data |
| 9. | Registers | I. A steering wheel held type of input device |
| 10. | Router | J. They connect multiple network types and determine the best path for sending data.(they intelligent devices) |
| | | K. It directs and controls the entire computer system and performs all arithmetic and logical operations. |
| | | L. are yellow objects that are able to store other objects inside |
| | | M. appears as interesting program file but when installed it allows intruders to access and read your file |
| | | N. is the amount of data that can be transmitted over a network in a certain amount of time. |

SECTION B [30]

QUESTION 3 [14]

3.1. Define the following concepts

3.1.1. Software (2)

3.1.2. Application software (2)

3.1.3. File hierarchy (2)

3.1.4. Polymorphic Virus (2)

3.2. Differentiate between the following computer terms:

3.2.1. MAN and LAN (2)

3.2.2. Virus and Worm (2)

3.2.3. LCD and CRT (2)

QUESTION 4 [16]

4.1. Give any five functions of utility software (5)

4.2. Give any three use of a computer (3)

4.3. List any three ways for evaluating software before purchase (3)

4.4. Give the full name for the following Acronyms

4.4.1. WWW (1)

4.4.2. CC (1)

4.4.3. URL (1)


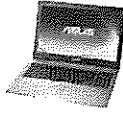
4.4.4. OS (1)

4.4.5. ASCII (1)

SECTION C _____ [50]

QUESTION 5 _____ [10]

Study the following two adverts and answer the questions that follow:

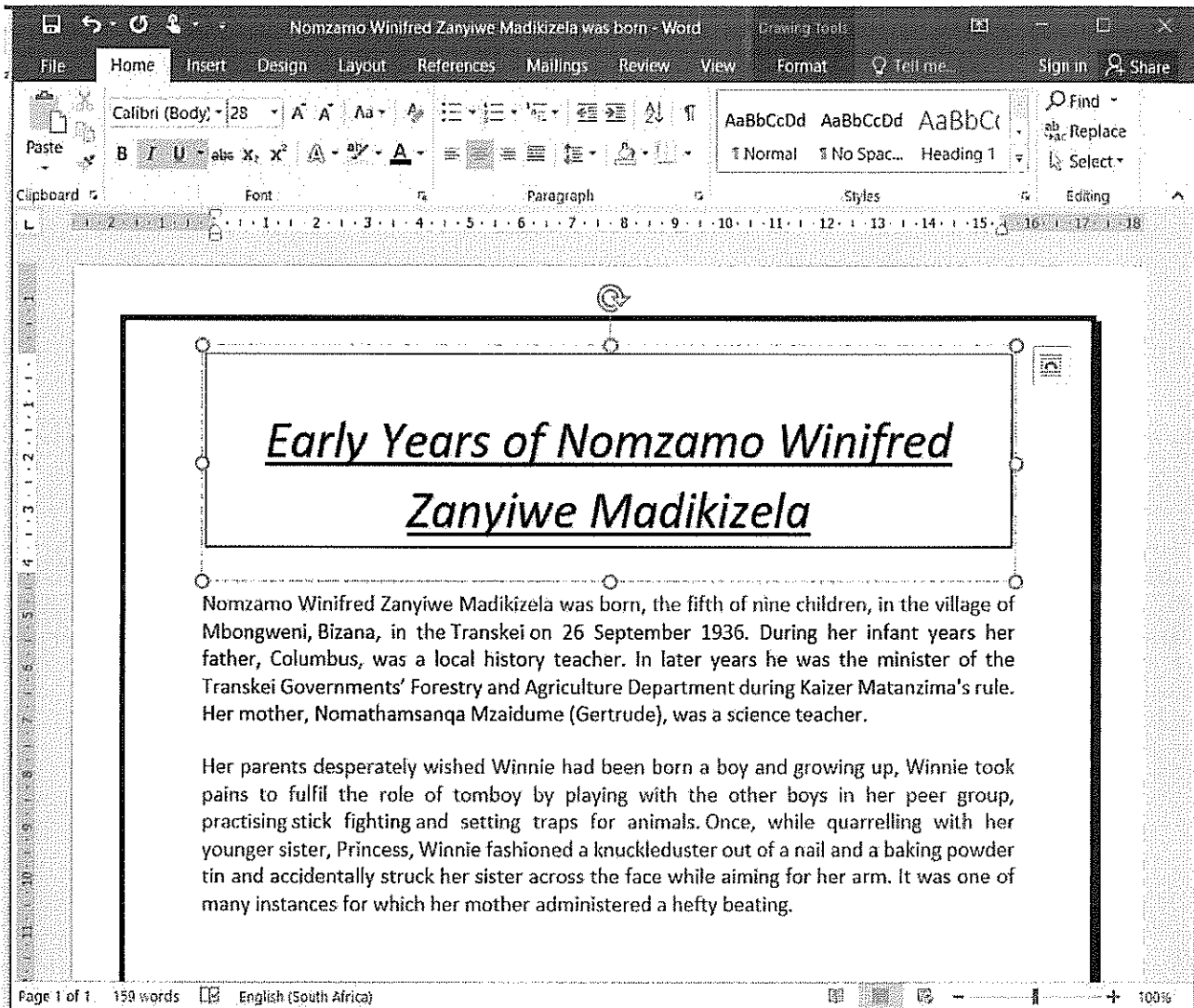
| | Computer A | Computer B |
|------|---|---|
| |  |  |
| | All-in-one Desktop | Ultrabook |
| Line | | |
| 1 | Intel Core i7-4770K 3.5 GHz processor | Intel Core i5-3317U 1.7 GHz processor |
| 2 | 16 GB of DDR3-1866 RAM | 4 GB RAM |
| 3 | 27 inch 10 pr touch LCD widescreen | 13.3 inch touch screen |
| 4 | 3 GB GeForce GTX 780 graphics card | Intel 1 GB HD Graphics 4000 card |
| 5 | 1 TB hard drive | 500 GB hard drive |
| 6 | Blu-Ray disc | Dual-Layer DVD+/-RW |
| 7 | 4 USB 3.0 ports | 3 USB 2.0 ports |
| 8 | 1.3 Megapixel webcam | Integrated webcam |
| 9 | 802.11ac dual-band Wi-Fi | Wi-Fi, Bluetooth enabled |
| 10 | Windows 8 | Windows 7 |
| 11 | | 1.3 kg |
| 12 | | 6 hour battery life |
| 13 | Wireless keyboard and mouse | |
| 14 | Gaming and everything else | General Purpose use |

5.1. What is the name of the processor installed on computers A? (1)

- 5.2. Which computer has the highest processor speed? (2)
- 5.3. What is the size of computer A's primary or main memory? (1)
- 5.4. Which computer has the largest storage capacity? (1)
- 5.5. What type of system software is installed on both computers (2)
- 5.6. What is the purpose of USB ports on a computer? (1)
- 5.7. What is the advantage of Computer B over Computer A? (2)

QUESTION 6 _____ [15]

Study the following MS word processor extract diagram and answer the questions that follow:



- 6.1. What is the name of the above word document? (2)
- 6.2. How many tabs that you can see on this extract? (2)
- 6.3. What is the Font name and font size of the highlighted text? (2)
- 6.4. What is the alignment of the highlighted text? (1)
- 6.5. What other formats are done on the highlighted text? (3)
- 6.6. How many words are on this extract? (2)
- 6.7. List three features under the tab insert (3)

QUESTION 7 _____ [15]

Study the following MS -Excel (spreadsheet) diagram and answer the questions that follow:

The screenshot shows an Excel spreadsheet with the following data:

| University of Fort Hare | | | | | | | | |
|--|---------|----------|-------------|-------------|-------------|-------------|-------------|------------|
| Introduction to Computer and Computers | | | | | | | | |
| ICC121/121F | | | | Test Marks: | | | | |
| Facilitator: S.R Mbombela | | | 2018 | | | | | |
| # | Surname | Initials | Student No. | Test 1 [50] | Test 2 [50] | Test 3 [50] | Total [100] | Pass/ Fail |
| 1 | Ndaku | T | 201812345 | 23 | 45 | 40 | 85 | Pass |
| 2 | Booi | M | 201812346 | 34 | 43 | 30 | 77 | Pass |
| 3 | Gqomo | S | 201812347 | 12 | 10 | 34 | 46 | Fail |
| 4 | Jiholo | S.R | 201812348 | 32 | 46 | 36 | 82 | Pass |
| 5 | Mazwi | T.V | 201812349 | 30 | 39 | 38 | 77 | Pass |
| 6 | Quma | LA | 201812350 | 41 | 39 | 37 | 80 | Pass |
| 7 | Peter | F | 201812351 | 21 | 20 | 15 | 41 | Fail |
| 8 | Bomvu | J | 201812352 | 20 | 49 | 40 | 89 | Pass |
| 9 | Mafu | L | 201812353 | 38 | 13 | 20 | 58 | Pass |
| 10 | Kasa | W | 201812354 | 29 | 13 | 20 | 49 | Fail |
| | | | Min | 12 | 10 | 15 | 41 | |
| | | | Max | 41 | 49 | 40 | 89 | |
| | | | Average | 28 | 31,7 | 31 | 68,4 | |
| | | | Round | 28 | 32 | 31 | 68 | |

7.1. Define the following:

7.1.1. Workbook (2)

7.1.2. Worksheet (2)

7.2. From the diagram write down the active cell (1)

7.3. Write down the contents of an active cell (1)

7.4. Write the formulas that will calculate the following:

7.4.1. The total of the best two tests from the three tests on a range of cells H6:H15 (2)

QUESTION 8 _____ [10]

Consider the following HTML code below:

```
<html>

  <head>
    <title>Bulleled list of CSC Modules</title>
  </head>

  <body>

    <h1> <b><u> List of Agric. Modules</u></b></h1>

    <UL>
      <LI> ICC121F </LI>
      <LI> CSC 113F</LI>

      <LI> ICC121 </LI>
      <LI> AGCC121 </LI>
      <LI> AGE121F </LI>
    </UL>

    <hr>

  </body>

</html>
```

8.1 The tag <u> ...</u> what is it used for? (2)

8.2 Draw a web page that will be produced by the above code (8)

Grand Total:**[100]** Good Luck