



EXAMINATIONS COUNCIL OF ZAMBIA

JUNIOR SECONDARY SCHOOL LEAVING EXAMINATION (GRADE 9) - 2016

Computer Studies 402/1 Paper 1

(INTERNAL AND EXTERNAL CANDIDATES)

Time: 1 hour 30 minutes

Mark: 60

Instructions to candidates

- 1 Pull out the **Answer Booklet** from the question paper.
- 2 Write your name, examination number and school/centre name on the **Answer Booklet**.
- 3 There are **three (3)** sections in this question paper, Section A, B and C.
- 4 Answer all the questions in all **three (3)** sections. Write all your answers in the **Answer Booklet** provided.
- 5 In Section A, for each question, **four (4)** suggested answers are given A, B, C and D. Choose the best answer and show it in the **Answer Booklet** by marking it with a cross (X).

For example if the answer is D

A	B	C	<input checked="" type="checkbox"/> D
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Information for candidates

Cell phones are not allowed in the examination room.

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

SECTION A [15 MARKS]

- 1 Name a device which can be used both for input and output of data.
 - A Printer
 - B Touch screen
 - C Soft screen
 - D Soft touch
- 2 Which of the following statements best describes the action the computer performs to process data?
 - A Input → storage/processing → feedback
 - B Input → output/processing → storage
 - C Input → processing/storage → output
 - D Feedback → input → processing/storage
- 3 A microprocessor is a ...
 - A set of instructions.
 - B storage for instructions.
 - C piece of software.
 - D piece of hardware.
- 4 RAM stands for ...
 - A Random Access Media.
 - B Random Access Memory.
 - C Random Advanced Memory.
 - D Random Active Memory.
- 5 The space on the hard drive is measured in ...
 - A megahertz.
 - B megaamps.
 - C megabytes.
 - D megawatts.
- 6 Which type of operating system is used in factories to control machines automatically?
 - A Multiuser system
 - B On-line system
 - C Real time system
 - D Single user system
- 7 What term is used to describe the process of correcting and making changes to a document?
 - A Auditing
 - B Editing
 - C Spell checking
 - D Find and replace

- 8 What is the correct formula for dividing B1 by the sum of B2 and B3 in a spreadsheet?
- A = $B1/(B2 + B3)$
 - B = $B1 \div (B2 + B3)$
 - C = $B1 \backslash (B2 + B3)$
 - D = $B3 + (B2/B1)$
- 9 A ... can be used quickly to locate information on the internet.
- A quick locator
 - B quick finder
 - C search finder
 - D search engine
- 10 What should a user do to a computer not responding to commands?
- A Switch it off
 - B Switch it off and on
 - C Plug it out
 - D Plug it out and in
- 11 The CPU is the device that ...
- A stores data.
 - B processes data.
 - C prints data.
 - D inputs data.
- 12 Gaining unauthorized access to a computer system and changing the data is known as ...
- A breaking.
 - B hacking.
 - C spamming.
 - D stealing.
- 13 When a user saves an existing document with a different name, what happens to the original document?
- A It is lost
 - B It is kept
 - C It is moved
 - D It is replaced
- 14 Back and neck problem which results from the use of the computer can be reduced by using ...
- A a fully adjustable chair for correct posture.
 - B a higher chair.
 - C a back and neck fitter.
 - D an ergonomic keyboard.

- 15** A legal right given to the publisher or owner of a software is called ...
- A** publication rights.
 - B** user rights.
 - C** software rights.
 - D** copyrights.

SECTION B [20 MARKS]

There are fifteen (15) questions in this section.

Answer all the questions in this section by using one word or a short phrase.

Write all your answers in the Answer Booklet provided.

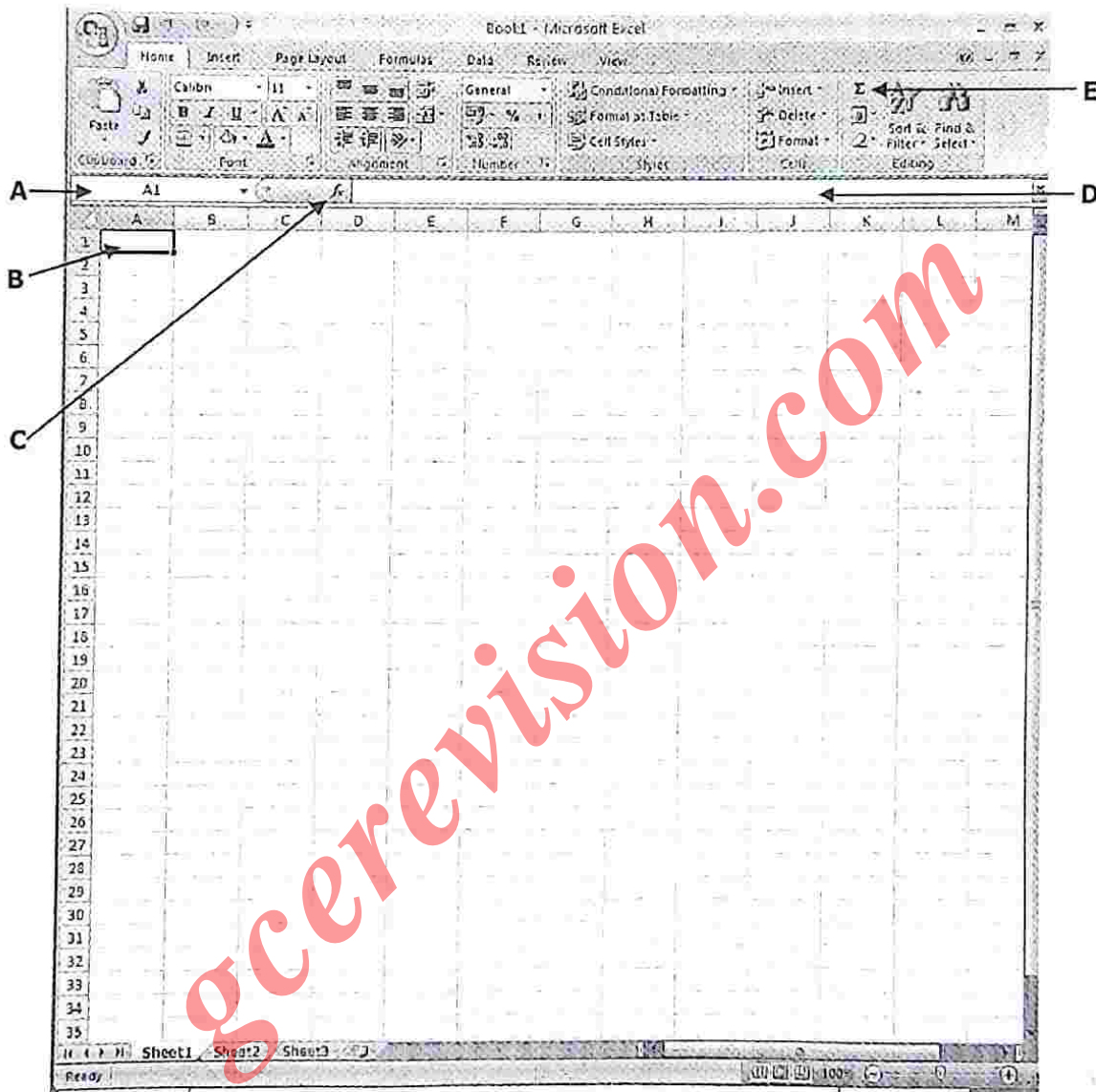
- 16** A ... is the hardware that allows a computer to produce audio output. [1]
- 17** 1,410,000,000 bytes is the same as ... gigabytes. [1]
- 18** To protect data, a user must input a ... each time to log on. [1]
- 19** A ... is a collection of two or more computers that are connected to each other allowing them to ... resources. [2]
- 20** The two main categories of software are ... and ... [2]
- 21** ... is making data unreadable during transmission over a network. [1]
- 22** E-commerce means doing business using ... [1]
- 23** A computer program that aids a computer user to complete a task is called ... [1]
- 24** A network system designed and created to cover only an individual's digital devices in a home is called ... [1]
- 25** A computer system does not understand human readable language but understands ... only. [1]
- 26** A ... is a storage on medium which ... is read using light. [2]
- 27** A program stored in ... of the computer directs the computer to ... each time the computer is switched on. [2]
- 28** The two examples of operating system interface are the ... and ... [1]
- 29** To re-visit a webpage recently viewed the ... button is used. [1]
- 30** ... is the pressing of a mouse button twice in rapid succession. [1]

SECTION C [25 MARKS]

There are four (4) questions in this section.

Answer all the questions in the Answer Booklet provided.

31 Study the diagram of a spreadsheet below.



- (a) Name part **A**. [1]
- (b) State **two** types of data that can be entered in a cell labelled **B**. [2]
- (c) When can part **C** be used? [2]
- (d) What is the use of part **D**? [1]
- (e) What is the function of the button indicated by letter **E**? [1]

- 32** A Computer represents data as binary digits.
- (a) What are binary digits? [1]
 - (b) How many binary digits (bits) make one byte? [1]
 - (c) Name **two** places where analogue computers are mostly used. [2]
 - (d) Name **two** household appliances which are digital in nature. [2]
- 33** Kima Secondary School wants to produce a school magazine.
- (a) State **two** input devices that the school should use to capture photographs in digital format. [2]
 - (b) Name the best application software that can be used to make the school magazine. [1]
 - (c) What type of printer could be used to print the school magazine? [1]
 - (d) Give **one** advantage and **one** disadvantage of using a computer system to produce a magazine. [2]
- 34**
- (a) Why is a microphone unlikely to cause repetitive strain injury? [1]
 - (b) Give **two** situations where speech recognition systems can be used. [2]
 - (c) What application software can make musical instruments work with a computer? [1]