



# 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 Which of the following statements best describes what a computer program is?
  - A The input stage of computing that gets data needed.
  - B The step by step instructions that tell the computer what to do.
  - C The step by step user manual on how to operate the computer.
  - D The output stage of computing that outputs data needed.
  
- 2 Data are ...
  - A letters entered into the computer.
  - B numbers entered into the computer.
  - C unprocessed facts entered into the computer.
  - D processed facts obtain from the computer.
  
- 3 Which key on a computer keyboard can be used to delete text in a word document?
  - A Alt
  - B Backspace
  - C Esc
  - D Shift
  
- 4 The binary digits 1 and 0 are called ...
  - A bits.
  - B codes.
  - C signal.
  - D text.
  
- 5 Which of the following ports are suitable for connecting a USB printer?
  - A Serial port
  - B Parallel port
  - C Universal Serial Bus port
  - D Universal Sequence Backup Port
  
- 6 Which of the following home appliances has no microprocessor?
  - A Steam pressing iron
  - B DVD player
  - C Television
  - D Microwave oven

- 7 What can be found on the desktop of computer screen?
- A Menu
  - B Icons
  - C Commands
  - D Scroll buttons
- 8 The ... is a part of a computer where calculation, searching and sorting of data is carried out.
- A Read Only Memory (ROM)
  - B Random Access Memory (RAM)
  - C Central Processing Unit (CPU)
  - D Backing Storage Unit (BSU)
- 9 Which of the following is a network of computers that are found in one building?
- A LAN
  - B PAN
  - C SAN
  - D WAN
- 10 An Uninterruptible Power Supply (UPS) unit can be used to ...
- A protect the computer from solar power.
  - B backup computer data.
  - C protect the computer from power blackouts.
  - D protect the computer from virus blackouts.
- 11 ... operating system lets many users at different terminals to share processing time on a powerful central computer.
- A Multi-tasking
  - B Multi-programming
  - C Real-time
  - D Multi-user
- 12 Formatting a disk results in all the data being erased from the ...
- A storage media.
  - B screen.
  - C keyboard.
  - D printer.



- 13 Which of the following software will be loaded first to the memory when the computer is switched on?
- A Spreadsheet software
  - B Word processing software
  - C Operating system software
  - D Presentation software
- 14 The type of computer which allows a user to input, edit and output audio is ...
- A multi media computer.
  - B multi audio computer.
  - C music computer.
  - D speaker computer.
- 15 What is the best way to prevent data loss on the computer?
- A Use a bigger computer
  - B Not to use laptops
  - C Backup the printer
  - D Backup the data

## 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 The ... button is used to add up numbers quickly in a spreadsheet. [1]
- 17 The ... represents something on a computer in form of a picture. [1]
- 18 ... is the unit for measuring the speed of the CPU. [1]
- 19 A ... and a ... are two examples of optical storage media. [2]
- 20 The margin in a document determines how much ... is left between the edge of the page and the ... [2]
- 21 A ... is a malicious program that copies itself and destroys computer files. [1]
- 22 To read account numbers of cheques at a bank ... reader is used. [1]
- 23 In serial access used by a tape, data is read from ... [1]

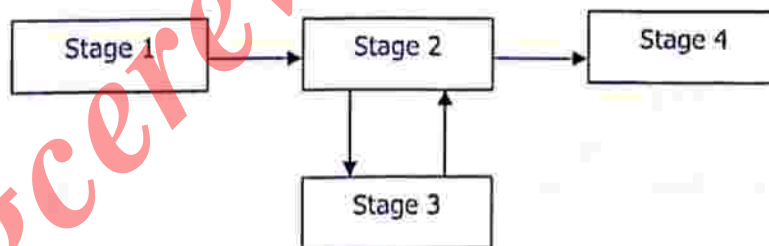
- 24 To use a computer network, a user must first log on by entering the user ID and ... [1]
- 25 Cameras that do not require film and can transfer images and video into the computer are called ... cameras. [1]
- 26 ... is an example of an ... software used for creating, formatting and editing of documents on a computer. [2]
- 27 ... allows users to find a website even if they do not know the Universal Resource Locator (URL). [2]
- 28 In a word processor, a line that blinks to indicate where to type is called a ... [1]
- 29 To ... is to remove a ... no longer needed on the computer. [2]
- 30 A program stored in ... of the computer directs the computer to start up each time you switch on. [1]

### SECTION C [25 MARKS]

There are four (4) questions in this section.

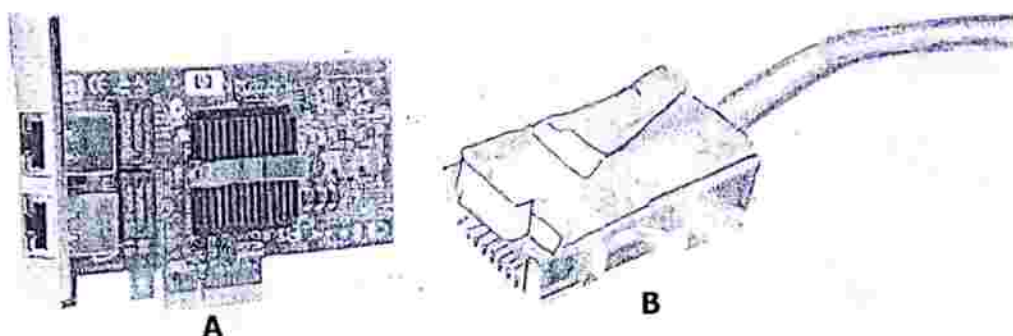
Answer all the questions in the Answer Booklet provided.

31. The diagram below shows the four basic actions of the computer to produce information.



- (a) State **one** device that can be used at stage 3 and **one** that can be used at stage 4. [2]
- (b) Name stage 1 and stage 3. [2]
- (c) What action is done at stage 2? [2]

- 32** The pictures below show different hardware devices found on a computer network.



- (a) Name the **two** hardware devices **A** and **B**. [2]
- (b) Give **two** uses of a computer network. [2]
- (c) (i) Give **one** advantage of a wireless network. [1]
- (ii) Give **one** disadvantage of a wireless network. [1]
- (d) Give **two** ways of protecting computers on a network. [2]
- 33** The following is a sample of an e-mail address of pjbanda.
- pjbanda@exams council.org
- A B
- (a) Name parts **A** and **B**. [2]
- (b) If pjbanda receives an e-mail message from his friend, what is the name of the space where the message is kept? [1]
- (c) Give **two** reasons why it is not advisable to open emails from unknown sources. [2]
- (d) Give **two** reasons why users prefer to send e-mails instead of letters. [2]
- 34** Beenzu and Niza have been playing a video game all day on the computer using a keyboard.
- (a) State **one** health problem that Beenzu and Niza may face due to the continuous use of the computer. [1]
- (b) Give **one** way of preventing the health problem you stated in (a). [1]
- (c) Give **one** input device that can be used to play the video game instead of the keyboard. [1]
- (d) Give **one** disadvantage of playing computer games apart from health related problems. [1]