



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	☒ 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

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- 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]

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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]

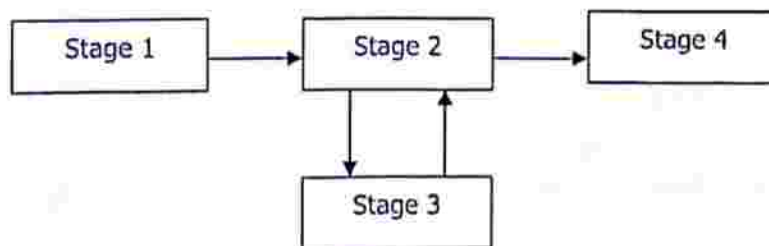
SECTION C [25 MARKS]

There are four (4) questions in this section.

Answer all the questions in the Answer Booklet provided.

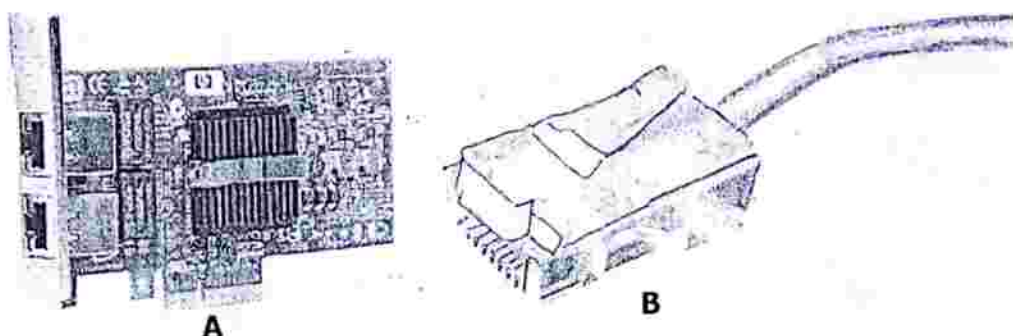
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31. The diagram below shows the four basic actions of the computer to produce information.



- (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@examsCouncil.org
 A B

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- (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]