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**EXAMINATIONS COUNCIL OF ZAMBIA****JUNIOR SECONDARY SCHOOL LEAVING EXAMINATION (GRADE 9) – 2022****Computer Studies 402/1****(INTERNAL CANDIDATES)****Time: 1 hour 45 minutes****Marks: 70****Instructions to Candidates**

- 1** Pull out the **inserted Answer Booklet** from the question paper.
- 2** Write your **examination number, school/centre name and code** on the inserted **Answer Booklet**.
- 3** **Write** your **examination number** on **every page** of the inserted Answer Booklet.
- 4** There are **three** sections in this question paper, Section **A, B** and **C**. Answer all the questions in all **three** sections.
 - (i) In Section **A**, for each question, **four** suggested answers **A, B, C** and **D** are given. Choose the best answer and mark it on the answer grid provided in the **Answer Booklet**.
 - (ii) For Sections **B** and **C**, write all your answers in the spaces provided in the **Answer Booklet**.

Information for CandidatesCell phones and other electronic devices are **not allowed** in the examination room.

SECTION A: [20 MARKS]

Answer **all** questions. Mark your answers with a **cross (X)** on the Answer Grid provided in the Answer Booklet.

- 1 Which of the following is **not** an input device?
 - A Joystick
 - B Projector
 - C Touchscreen
 - D Webcam
- 2 Random Access Memory is also called ... memory.
 - A medium term
 - B long term
 - C main
 - D secondary
- 3 Which of the following shows memory size from the highest to the lowest?
 - A Bit → Byte → kilobyte
 - B Byte → Bit → Kilobyte
 - C Kilobyte → Bit → Byte
 - D Kilobyte → Byte → Bit
- 4 The text format for the number 2 used in the symbol **H₂O** is called ...
 - A subtext.
 - B subscript.
 - C superscript.
 - D supertext.
- 5 In computer based learning, which program allows learners to learn at their own speed?
 - A Drill and practice program
 - B Problem solving program
 - C Simulation program
 - D Tutorial program
- 6 A number used to open locked files or data stored on a computer is called ...
 - A coding identification number.
 - B identification number opener.
 - C personal identification number.
 - D personal unblocking number.

- 7 What is the other name for a monitor?
- A Anode Ray Tube
 - B Liquid Display Unit
 - C Optical Ray Tube
 - D Visual Display Unit
- 8 ... is a key on the keyboard used to indent text to the right.
- A Enter
 - B Home
 - C Space bar
 - D Tab
- 9 Which part of the Central Processing Unit is used by the computer to compare two numbers?
- A Arithmetic logic unit
 - B Arithmetic comparison unit
 - C Number logic unit
 - D Number processing unit
- 10 In Excel, a formula always begins with the ... sign.
- A division
 - B dollar
 - C equal
 - D subtraction
- 11 ... is the first page of a website.
- A Front page
 - B Home page
 - C Local page
 - D Visited page
- 12 Which of the following is the last device that should be switched off when shutting down a computer?
- A Keyboard
 - B Monitor
 - C Printer
 - D System unit
- 13 How can a dollar sign be inserted in a text being typed? By pressing ...
- A Shift + \$.
 - B DEL + \$.
 - C Ctrl + \$.
 - D ALT + \$.
- 14 Magazines and business cards are created using a ...
- A database application.
 - B desktop publisher.
 - C presentation software.
 - D spreadsheet application.

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- 15 How can back pains be prevented when using a computer for a long time? By using an ...
- A adjustable keyboard.
 - B adjustable screen.
 - C ergonomic chair.
 - D ergonomic keyboard.
- 16 In an email account, a message awaiting to be sent is found in the ...
- A drafts folder.
 - B inbox folder.
 - C sent item folder.
 - D spam folder.
- 17 Which of the following is an illegal activity when using a computer?
- A Buying a copyright CD
 - B Copying a copyright CD
 - C Listening to music
 - D Playing a music CD
- 18 The term used to refer to a network that connects computers between two towns is ...
- A Local Area Network.
 - B Metropolitan Area Network.
 - C Personal Area Network.
 - D Wide Area Network.
- 19 Which of the following is the most powerful computer?
- A Micro computer
 - B Mini computer
 - C Personal computer
 - D Super computer
- 20 What is the function of this button  ? To ... text.
- A indent
 - B indicate
 - C italicise
 - D itemise

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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.

- 1 is a type of memory which does not lose its contents after switching a computer off. [1]
- 2 A button used to turn the computer on is called the [1]
- 3 is a user Interface where commands are typed in. [1]
- 4 A private network that is only accessed by staff in an organisation is known as [1]
- 5 The Central Processing Unit (CPU) of a computer processes data by , comparing, sorting and [2]
- 6 The **two** suitable printers for printing magazines and identity cards are and [2]
- 7 prevents the computer from losing documents being used when electricity suddenly cuts. [1]
- 8 A file deleted by mistake can be found in the while a word deleted by mistake can be put back using the button. [2]
- 9 refers to working on more than one program at a time while refers to a computer that only allows one person at a time to have control of its resources. [2]
- 10 is a special effect that introduces slides in a PowerPoint presentation. [1]
- 11 In a spreadsheet, the formula used to find the average of marks in cells ranging A3 to C3 is [2]
- 12 is a device used to convert a hard copy into a soft copy. [1]
- 13 The clarity of an image on a computer is determined by the number of [1]
- 14 A type of cybercrime where personal details are stolen is known as [1]
- 15 A software that is loaded to enable the computer to work is the [1]

[Total: 20 marks]

SECTION C: [30 MARKS]

There are five (5) questions in this section.
Answer all the questions in the Answer Booklet provided.

1 The picture below is found on products in supermarkets.



- (a) Name a device that is used to read information from the picture above. [1]
- (b) State **one** piece of information obtained when the device you named in (a) reads data from the picture. [1]
- (c) Give **two** advantages of using the picture on products in a supermarket. [2]
- (d) Explain how information is obtained from the picture when the device named in (a) fails to read it. [2]

[Total: 6 marks]

- 2 (a) What is a Local Area Network (LAN)? [1]
- (b) State **one** disadvantage of a LAN. [1]
- (c) Explain the function of a router in a LAN. [2]
- (d) Give **one** difference between an Intranet and Extranet. [2]

[Total: 6 marks]

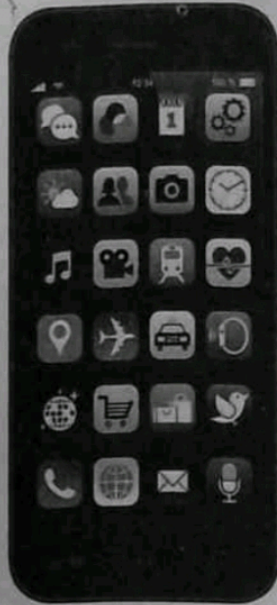
- 3 (a) The following table shows common file extensions used in computers. Complete the table by filling in the missing file type.

STANDARD	TYPE OF FILE
DOC	
GIF	BITMAP
XLS	
WMA	AUDIO

- (b) Explain why file backups are important. [2]
- (c) State **one** reason why an old antivirus **cannot** protect computer files. [2]
- (d) Give **one** reason why it is important to keep backups in another place. [1]

[Total: 6 marks]

- 4 The following picture shows a smartphone.



- (a) Name the type of user interface shown in the picture. [1]
 (b) State **two** input parts on a smartphone. [2]
 (c) Which feature of a smartphone enables it to connect to the Internet? [1]
 (d) State **two** advantages a smartphone has over a desktop computer. [2]

[Total: 6 marks] www.eczpastpapers.com

- 5 The following table shows part of a spreadsheet used to keep track of the ages of children below 5 years at Chikuni clinic.

	A	B	C	D	E	F
1	CHIKUNI CLINIC					
2	Surname	First Name	D.O.B	Age in Years	Comment	
3	Bwalya	Bruce	2016			
4	Phiri	David	2018			
5	Simasiku	Inonge	2021			
6	Chinyama	Lombe	2019			

- (a) Explain how records can be arranged in alphabetical order by surname. [2]
 (b) State what comment will be displayed in cell E3 after entering the function
 = IF (D3<5, "under five age", "over age") [1]
 (c) What will be displayed if the function
 = B3 + C3 is entered in F3. [1]
 (d) How can a new row be added between row 5 and row 6? [2]

[Total: 6 marks]