

Name:Centre/Index No...../.....

Signature:

840/1
COMPUTER STUDIES
THEORY
Paper 1
2½ hours

STANDARD HIGH SCHOOL ZZANA
Uganda Certificate of Education

Computer Studies

(Theory)

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

*This Paper consists of **three** sections, **A**, **B** and **C**.*

*Section **A** contains **20 compulsory** objective-type questions. The correct alternative **A**, **B**, **C** or **D** must be written in the box provided on the right hand side of each question.*

*Section **B** contains **six compulsory** structured questions.*

*Answers to section **B** must be written in the spaces provided in the question paper.*

*Section **C** contains **three** essay type questions. Answer only **one**. Answers to section **C** must be written in the answer booklet provided.*

For Official Use Only										
MCQ	21.	22.	23.	24.	25.	26.	27.	28.	29.	Total

Turn Over

SECTION A

*Answer **all** questions in this section.*

1. A notebook computer is classified as a
 - A. mini computer.
 - B. micro computer.
 - C. super computer.
 - D. mainframe computer.
2. The high speed memory unit between the keyboard and the main memory is...
 - A. RAM.
 - B. Buffer.
 - C. Cache.
 - D. CMOS.
3. The.....software provides an interface in computers for interaction between the user, hardware and application programs.
 - A. operating system.
 - B. firmware.
 - C. utility system.
 - D. device driver.
4. Which drive letter usually represent the hard drive?
 - A. A.
 - B. B.
 - C. C.
 - D. D.
5. The following are language translators except
 - A. Linkers.
 - B. Compilers.
 - C. Debuggers.
 - D. Interpreters.

6. Physical access controls such as locked doors and windows, usually are adequate to protect computer equipments against.....
- A. software piracy.
 - B. computer viruses.
 - C. hardware theft.
 - D. all the above.
7. The process of identifying errors and fixing them within a program code is called
- A. scanning.
 - B. executing.
 - C. debugging.
 - D. compiling.
8. Which of the following computer generations represents the invention of magnetic drum memories?
- A. First generation.
 - B. Four generation.
 - C. Third generation.
 - D. Second generation.
9. Computers that measure discrete variables are categorized as.....
- A. analog.
 - B. hybrid.
 - C. digital.
 - D. integrated.
10. The manager of STANBIC bank may use a to analyze a profit and loss account.
- A. word processor.
 - B. spreadsheet program.
 - C. project planning application program.
 - D. data base management system.

11. In computer studies troubleshooting is a form of.....
- A. problem solving.
 - B. crime prevention.
 - C. computer servicing.
 - D. data security measure.
12. Blue tooth, infrared and radio waves are types of transmission
- A. chains.
 - B. media.
 - C. information.
 - D. channel.
13. can be used in filtering of data traffic to the network.
- A. Screen saver utility.
 - B. User password.
 - C. Firewalls.
 - D. A wire mesh.
14. A text or graphic takes that a user to another web page is a.....
- A. tag.
 - B. hyperlink.
 - C. bus.
 - D. protocol.
15. One of the first electronic, menu driven, digital computer was the ENIAC. ENIAC is short for.
- A. electronic Numeric integrator and calculator.
 - B. electronic Numerical and integrated computers.
 - C. electronic Numbers inscribed on computers.
 - D. electronic Numeric integrator and computer.

16. This is an object in a database that is used to extract specific information from a table.
- A. form.
 - B. macro.
 - C. module.
 - D. query.
17. A set of rules that governs communication over a computer network is.....
- A. bandwidth.
 - B. instructions.
 - C. topology.
 - D. protocol.
18. A softcopy is to a monitor as a hardcopy is to.....
- A. paper.
 - B. screen.
 - C. printer.
 - D. hard.
19. Computer ethics would be best described by.....
- A. being well mannered online.
 - B. copyrights.
 - C. trade names.
 - D. trade marks.
20. The ability of a computer to automatically recognize a peripheral device is known as.....
- A. supervision.
 - B. recognition.
 - C. registering.
 - D. plug and play.

Turn Over

SECTION B

21. (a) Name the computing device developed by John Napier. (01 mark)

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- (b) State the generations in which each of these outstanding inventions were made.

- (i) Transistors. (01 mark)

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- (ii) Operating system e.g multic (01 mark)

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- (iii) Vacuum tubes. (01 mark)

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- (c) What do the following characteristics mean as applied to modern computers?

- (i) Programmable (02 marks)

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- (ii) Versatility (02 marks)

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- (iii) Storage (02 marks)

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22. (a) (i) What is computer hardware. (02 marks)

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- (ii) In which category of a computer hardware is a mouse? (01 mark)

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(b) Name the **three** categories of a mouse. (03 marks)

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(c) Give **four** functions of a mouse on a computer system. (04 marks)

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23. (a) Give **four** stages involved in the booting process of a computer. (04 marks)

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(b) Define the term data backup. (02 marks)

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(c) (i) Mention any **two** solid state storage media that you know. (02 marks)

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(ii) Outline **two** characteristics of computer memory (RAM). (02 marks)

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Turn Over

24. (a) Explain the following terms as applied in computer communication and networks.
- (i) Client. (02 marks)
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- (ii) Transmission channel. (02 marks)
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- (iii) Server. (02 marks)
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- (iv) Topology. (02 marks)
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- (b) State **two** reasons why companies today network their computers. (02 marks)
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25. (a) Define a language processor. (02 marks)
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- (b) Explain any **three** language processors that you know. (06 marks)
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- (c) Give any **two** examples of application programs that you know. (02 marks)

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26. (a) The head teacher of your school has been requested by the IT technician to buy the following laboratory equipments; air conditioner, blower, fire extinguisher. Under which use is each going to be put to.

- (i) Air conditioner. (02 marks)

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- (ii) Blower. (02 marks)

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- (iii) Fire extinguisher. (02 marks)

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- (b) Under which circumstances may data be lost in a computer? (04 marks)

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Turn Over

SECTION C: *(Attempt only one question)*

27. (a) Define the term e-mail. (02 marks)
- (b) A part from an email, briefly describe any other four internet service you know. (08 marks)
- (c) Explain any **five** positive impacts of computers to the growth of our economy. (10 marks)
28. (a) Explain any **five** causes of computer system failure. (10 marks)
- (b) Describe **five** measures you would put in place to control computer system failure. (10 marks)
29. (a) Outline the steps that you go through before writing the program code. (10 marks)
- (b) Using C or Visual Basic programming plat form, provide a program code that output the phrase “I LIKE COMPUTER STUDIES”. (10 marks)

END