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Index No.....

School.....

Signature

840/1
COMPUTER STUDIES
PAPER 1
July/August 2014
2½ hours



WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

COMPUTER STUDIES

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** for each question must be written in the box provided on the right hand side of each question.*
- ***Section B** consist of **six compulsory** structured questions. Answers to this section must be written in the spaces provided.*
- ***Section C** contains **three** essay questions. Attempt only **one**. Answers to this section must be written in the answer booklets or answer sheets provided.*

For examiners' use only.

MCQ	Q.21	Q.22	Q.23	Q.24	Q.25	Q.26	Q.27	Q.28	Q.29	Total

SECTION A (20 MARKS)

1. Determine the number of bits in 32 bytes.
A. 256
B. 128
C. 32
D. 64 ☐
2. In a graphical user interface _____ are used to represent commands.
A. Icons
B. Symbols
C. Cursors
D. Graphics ☐ 2
3. The computer ethical issue that deals with the responsibility of controlling the availability of data and its use is _____.
A. Access
B. Ownership
C. Accuracy
D. Privacy ☐ 2
4. The scan disk process is done by _____.
A. Application software.
B. Programming languages.
C. Utility program.
D. Operating system. ☐
5. Which of the following is not a programming tool?
A. Debugger.
B. Notepad.
C. An interpreter.
D. A computer. ☐
6. Which of the following is related to database program?
A. Procedures, slide view and record.
B. File, records, file and type.
C. Storage of larger numbers.
D. Commonly used by users. ☐
7. Which of the following is an extension for an image file name?
A. .doc
B. .exe
C. .jpeg
D. .xls ☐
8. The _____ was an ancient computer, developed to ease work in the textile industry.
A. hollerith tabulator.
B. leibniz calculator.
C. babbage analytical engine.
D. jacquards loam. ☐

9. _____ is an address that does not change when a formula is copied to another location in a spread sheet.
- A. Absolute address.
B. Relative address.
C. Mixed address.
D. Formula address.
10. When designing webpage using HTML, which tag is used to create a line break?
- A. <Br/BR>
B.
 </BR>
C.

D. </BR>
11. Mail merge facility allows you to; _____
- A. Personalise standardized letters.
B. Reduce the cost of postage.
C. E-mail a group of people in one go.
D. Merge mails with document files.
12. In the data base software, which of the following ensures that relationship in the tables remain consistent?
- A. Fielding.
B. Data type.
C. Referential integrity.
D. Tuple.
13. What is a gutter margin?
- A. Margin that is added to the left margin when printing.
B. Margin that is added to the right margin when printing.
C. Margin that is added to the binding side of page when printing.
D. Margin that is added to the outside of the page when printing.
14. What is the smallest and largest font size available in font size tool on formatting toolbar?
- A. 8 and 72
B. 8 and 64
C. 12 and 72
D. None of the above.
15. In HTML to define a target in a new page you use; _____
- A. <ahref = "http://www.ghuti.com/" = "blank"> click Here
B. <ahref = "http://www.ghuti.com/" = "-blank"> click Here
C. <ahref = "http://www.ghuti.com/" = target = "//blank" = > click Here
D. <ahref = http://www.ghuti.com/ " = target = "\$blank"> click Here
16. A link is a _____
- A. Bridge.
B. Path.
C. Finger.
D. Connection.

17. A facility in presentation that determines how a slide is removed from the screen and another is presented is known as?

- A. Animation.
- B. Rotation.
- C. Transition.
- D. Slide show.

☐

18. Which of the following letters represents local drive of a computer?

- A. A
- B. B
- C. C
- D. D

☐

19. The Back space key _____

- A. Deletes any letter towards the right.
- B. Erases any character towards the left.
- C. Moves the cursor to left without deleting any character.
- D. Deletes a character at the cursor position.

☐

20. In word processing software the feature where a word which does not fit on a line automatically moves to the next line is called _____

- A. Carriage return.
- B. Entering.
- C. Scrolling.
- D. Word wrap.

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SECTION B (60 MARKS)

21. (a) i) Define the term Mechanical computer?

(01 marks)

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ii) Explain **four** features that make the modern computer unique from other machine in the society.

(04 marks)

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(b) The computer system unit is made up of the central processing unit as one of the components. Name **three** major parts of the central processing unit.

(03 marks)

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(c) Explain the importance of **two** parts mentioned in (b) above. (02 marks)

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22. (a) i) Define the term coding. (02 marks)

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ii) List down at least **two** commonly used coding schemes. (02 marks)

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(b) Convert the following

i) 256_{ten} to binary base (03 marks)

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ii) 10101010_2 to its decimal equivalent. (03 marks)

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23. (a) i) Write DOS in full. (01 mark)

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ii) State **two** differences between DOS and windows. (02 marks)

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(b) i) Define a utility software. (01 mark)

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ii) Give at least **two** examples of utility software. (02 marks)

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(c) Explain the importance of any **two** utilities mentioned above. (04 marks)

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24. (a) Explain the following terms as used in data communication. (02 marks)

i) Alternation

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ii) Band width.

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(b) List down **three** components of a basic model of data communication. (03 marks)

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(c) i) Give the differences between communication channel and transmission media. (02 marks)

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ii) Give **three** examples of commonly used transmission media today.

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25. (a) i) Define the term spread sheet software. (01 mark)

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ii) List down any **two** examples of spreadsheet application. (02 marks)

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(b) The work sheet below shows company bills in dollars paid for the month of March, April and May.

	A	B	C	D	E	F
1		March	April	May	Total (\$)	Average (\$)
2	Rent	72	62	52	70	62
3	Electricity	14	24	34	24	24
4	Telephone	76	86	96	96	86
5	Stationery	38	48	28	48	38
6	Water	28	21	26	20	25
7	Total	228	241	236	258	

i) Write down the formulae in Ms excel which were used to obtain Totals and Averages for "Rent"

TOTAL: (01 mark)

AVERAGE: (01 mark)

ii) If it was an error to enter the value 96 in cell D4, state the cells in which the value would change automatically when the correct amount is put. (02 marks)

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iii) List the values of cell range C3:D4 in the above table. (02 marks)

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iv) State the formula for calculating the total bill for the month of March. (01 mark)

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26. The table below shows part of a date base. Use it to answer the questions that follow.

Employee No.	Name	Tel. No	Salary	No. of month	Total pay
E227008	Betty	0774 300 700	\$700,000	3	
E227011	Kintu	0703 443 411	\$400,000	4	
E233122	Amina	0782 414 812	\$800,000	6	

- (a) Write down the data types entered in the following fields.
- i) Tel No: (01 mark)
- ii) Salary: (01 mark)
- (b) Suggest a suitable primary key (01 mark)
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- (c) The formula entered in the query to determine Total pay, which is a product of salary and number of month is (02 marks)
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- (d) i) What is relational database? (02 marks)
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- ii) List down **three** examples of database management software. (03 marks)
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SECTION C (20 MARKS)

27. (a) Differentiate between a **Network** and **Network topology**. (02 marks)
- (b) Explain the various ways how Networks are used in the society. (18 marks)
28. Explain the merits and demerits of using internet for learning and communication. (20 marks)
29. (a) Outline any **four** forms of secondary storage. (04 marks)
- (b) Describe any **four** characteristics of each of the forms of secondary storage mentioned above. (16 marks)

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