NAME................................................................................................................................

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840/1

**COMPUTER STUDIES**

**PAPER 1**

JULY/AUGUST 2016

2½HOURS

WESTERN JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

**COMPUTER STUDIES**

**PAPER 1**

2HOURS 30MINUTES

**INSTRUCTIONS TO CANDIDATES:**

* Write your name, signature, centre and index number in the spaces above.
* 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 questions. Answer only **one**. Answers to section **C** must be written in the answer sheet provided.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FOR EXAMINER’S USE ONLY** | | | | | | | | | | |
| MCQ | Q21 | Q22 | Q23 | Q24 | Q25 | Q26 | Q27 | Q28 | Q29 | **Total** |
|  |  |  |  |  |  |  |  |  |  |  |

**SECTION A**

1. The invention of the.......................defines the second generation

A. Magnetic core B. Transistors C. Vaccum tubes D. Relay.

2. The word processing term similar to a dictionary is called a…………..

A. Mail merge B. Spell checker C. Word wrap D. Thesaurus.

3. A computer performs all the following functions except

A. Storage B. Processing C. Outputting D. Thinking.

4. Spreadsheets are **mainly** used to perform.........

A. Calculations B. Functions. C.What-else-Analysis D.What-if-Analysis.

5.The.........is an example of system software that uses a command line interface.

A. DOS B. Macintosh C. Windows D. Novel.

6. Sound stored and produced by a computer is......

A. Animation B. Video C. Synchronization D. Audio.

7. Which of the following is not a purpose of the hyperlink?

A. Closing the current web page B. Jumping to a new webpage

C. Opening an E-mail program

D. Jumping to another position on the same webpage

8. The...................is an electrical path for data to flow from one point to another in a circuit

A. System clock B. Buffer C. Bus D. ALU

9. The internet service that enables exchange of text messages in real time is.........

A. E-mail B. Telnet C. Chart D. F T P

10. In a Database Management System, a collection of information about one item is referred to as

A. Record B. File C. Field D. Table

11. What does a slide master do?

A. It controls sound and transition B. It controls animation

C. It controls graphic and movies

D. It controls certain text characteristics and background

12. Which of the following is not an example of a programming language?

A. COBOL B. Visual Basic C. Lotus D. Java

13. The following can make a computer freeze except

A. Computer virus B. Low disk space

C. Loading various tasks. D. Loading two operating systems on a computer.

14. What is the most appropriate data type for a photograph in a database?

A. OLE object. B. Text. C. Hyperlink D. jpeg

15. BIOS performs the following functions except

A. POST B. Computer hardware check

C. Checks for information on the desktop.

D. Loading the operating system files

16. ...................displays thumbnail versions of all your slides arranged in horizontal rows

A. Slide sorter B. Transition C. Animation D. Layout

17. Which of the following in a popular 7-bit encoding system?

A. ASCII B. EBCDIC C. Hexadecimal D. Binary

18. Which of the following represents a standard way of writing a URL?

A. http:// www. Domain name . designation for site

B. http: / www. Domain name . designation for site

C. http/: www. Domain name designation for site

D. http\\: www. Domain name designation for site

19. ...........................prevents a computer from being attacked by the virus.

A. Trojan horse B. Free ware C. AVG D. Antorum

20. In which computer classification is mainframe categorized.

A. Process B. Size C. Processor power D. Purpose

**SECTION B (60MKS)**

Answer all questions in this section. All the working must be done in the spaces provided

21. (a) Define the term consistency as applied to computers **1mk**

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(b) State any four precautions that should be taken to ensure safety in a computing environment **4mks**

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(c) Write the following abbreviations in full **2mks**

(i) ASCII.................................................................................................................

(ii) CMOS................................................................................................................

(d) List any 3 (three) types of microcomputers **3mks**

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22. (a) (i) Distinguish between a **browser** and an **E- mail** software **2mks**

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(ii) Give two examples of each software in (a) (i) above

Browser **2mks**

(i)...................................................................................................................................

(ii)..................................................................................................................................

E-mail **2mks**

(i)...................................................................................................................................

(ii)..................................................................................................................................

(b) What is meant by the following terms?

(i) Search engine **1mk**

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(ii) Multimedia  **1mk**

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(c) State any two examples of web page authorizing software **2mks**

(i)...................................................................................................................................

(ii)..................................................................................................................................

23. (a) Give two examples of spreadsheet packages **2mks**

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(b) Study the table below and answer the questions that follow

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | A | | B | | | C | D | | | E | | F | | G | | H | | I | | J | | K | L | |
| 1 | | SCORES OF SELECTED S4 STUDENTS IN SELECTED SUBJECTS | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | NAME | | MTC | ENG | | | PHY | CHEM | | COMP  STUDIES | | TOTAL  SCORE | | AVERAGE  SCORE | |  | |  | |  | | |  |
| 3 | | Apollo | | 70 | 61 | | | 61 | 21 | | 43 | |  | |  | |  | |  | |  | | |  |
| 4 | | Bob | | 61 | 63 | | | 21 | 70 | | 71 | |  | |  | |  | |  | |  | | |  |
| 5 | | Charles | | 21 | 49 | | | 72 | 71 | | 46 | |  | |  | |  | |  | |  | | |  |
| 6 | | Harriet | | 71 | 45 | | | 96 | 48 | | 48 | |  | |  | |  | |  | |  | | |  |
| 7 | | George | | 46 | 47 | | | 48 | 55 | | 61 | |  | |  | |  | |  | |  | | |  |
| 8 | | David | | 48 | 96 | | | 55 | 47 | | 70 | |  | |  | |  | |  | |  | | |  |
| 9 | | Zuth | | 61 | 55 | | | 61 | 42 | | 61 | |  | |  | |  | |  | |  | | |  |
| 10 | | Total score | |  |  | | |  |  | |  | |  | |  | |  | |  | |  | | |  |

(i) Give the cell reference for **2mks**

“Bob’s marks for computer studies”........................................................................

“Zuth’s marks for computer studies”.......................................................................

(ii) State the formula for calculating the

(a) total score for all the candidates…………………..…………..…………………….**1mk**

(b) average score for Apollo. **1mk**

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(c) Overall best candidate **2mks**

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(d) Candidate with the least score **2mks**

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24. (a) What is meant by the term cache? **2mks**

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(b)(i) What is a software suite? **2mks**

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(ii) State any two features of web publishing software **2mks**

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(iii) What is video conferencing? **2mks**

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(c) Describe as precisely as possible the use of the following features

(i) Radio button  **1mk**

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(ii) Check box **1mk**

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25 (a) Explain the following terms as used in presentation software

(i) Transition looping **1mk**

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(ii) Slide master **1mk**

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(iii) Slide layout **1mk**

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(b) (i) Distinguish between internet and world wide web **2mks**

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(ii) Mention two services offered by the internet **2mks**

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(c)Define the following terms

(i) Band width  **1mk**

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(ii) Packet switching **1mk**

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(iii) Hyperlink **1mk**

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26(a) (i) What is a computer virus? **1mk**

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(ii) List two ways through which computer viruses are spread **2mks**

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(iii) Give any two types of computer virus **2mks**

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(b)(i) Give any two examples of Database Management software **2mks**

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(ii) Distinguish between a field and a record as used in databases **2mks**

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(c) Explain the meaning of the term “data types” as used in database management **1mk**

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**SECTION C**

**Answer only ONE question from this section**

27 (a) (i) What is a printer? **2mks**

(ii) With examples, explain the types of printers **4mks**

(b) Distinguish between primary and secondary storage devices **2mks**

(c) Mention any six examples of storage devices **6mks**

(d) Define a CPU and explain its main components **6mks**

28 (a) Why is it important for a school to have a website? **10mks**

(b) Identify the health hazards that are associated with the use of computers **10mks**

29 (a) Explain the meaning of utility programs **2mks**

(b) Describe any six utility programs **18mks**

**END**