Name………………………………………………… Index No…………………………………..

School……………………………...……………… Signature …………………………………

840/1
COMPUTER STUDIES
PAPER 1
August 2018
2$^1/_2$hours

WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

COMPUTER STUDIES

Paper 1

2hours 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 <u>compulsory</u>** 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/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. Which of the following belongs to the 3rd Generation computers.
   A. Development of CLI.
   B. Development of GUI.
   C. Development of microprocessors.
   D. Development of VLSI.

2. ……………………… does not belong to mechanical era machines?
   A. Slide rule
   B. Hall mark
   C. Weaving loom
   D. Arithmetic machine

3. The advantages of flat panel display is that;
   A. they are thin and portable.
   B. they consume less power.
   C. they are less expensive.
   D. only A and B are true.

4. Which of the following input devices uses a stylus?
   A. Keyboard.
   B. Digitizing tablets.
   C. Touch.
   D. Joy stick.

5. All files ending with the following extensions are executable except?
   A. **.**bat
   B. **.**com
   C. **.**exe
   D. **.**docx

6. Which service utility will check and repair the folder cd file structure of your hard drive?
   A. Format.
   B. Backup.
   C. Defragmenter.
   D. Scan disk.

7. The text, graphics that appears in the bottom margin of a page in a word document is called a/an…………
   A. endnote.
   B. gutter.
   C. margin text.
   D. footer.

8. Which of the following key board shortcuts can be used to save a document into a given directory?
   A. Ctrl + Z.
   B. Ctrl + F12.
   C. F12.
   D. Alt + S.

9. Computer system configuration settings are stored in
    A. CMOS.
    B. BIOS.
    C. RAM.
    D. CD – ROM.

10. ……………. is another name for warm booting.
    A. Cold booting
    B. Hard booting
    C. Soft boot
    D. Rebooting

11. Demodulation means
    A. conversion from digital to analog signal.
    B. conversion from data to information.
    C. conversion from analog to digital signal.
    D. conversion from information to data.

12. Which protocol provides email facility among different hosts?
    A. FTP.
    B. SMTP.
    C. TELNET.
    D. SNMP.

13. Second generation computers were characterized by
    A. vaccum tubes.
    B. transistors.
    C. LSI.
    D. VLSI.

14. Which of the following is an odd man out?
    A. Supersript.
    B. Hyper link.
    C. Hyper text.
    D. Hyper web.

15. The following are field properties of a table in Microsoft Access except,
    A. field size.
    B. caption.
    C. text.
    D. input mask.

16. Which of the following is the most appropriate data type for a car number plate (UAP 187Y) in a database program?
    A. OLE object.
    B. Text.
    C. Hyper link.
    D. Number.

17. The original ASCII code system uses………bits of each byte, reserving the last bit for error checking.
    A. 5
    B. 6
    C. 7
    D. 8

18. A computer illiterate person can be identified as a person
    A. who knows computer theory only.
    B. without computer basic skills.
    C. who can not use a computer.
    D. with computer basic skills.

19. …………….. is the quickest service used to send an application form submitted online.
    A. Internet
    B. Email
    C. Air transport
    D. Website

20. Which of the following is an example of a cell address in a spreadsheet program?
    A. 6D.
    B. D6D.
    C. BD53.
    D. 53BD.

SECTION B (60 Marks)

21. (a) Write the following computer acronyms in full. (03 marks)

    i) PCI……………………………………………………………………………...

    ii) AGP…………………………………………………………………………

    iii) GAD…………………………………………………………………………

    (b) Differentiate between character printing and line printing. (02 marks)
    ……………………………………………………………………………………
    ……………………………………………………………………………………
    ….....……………………………………………………………………………..
    ……………………………………………………………………………………

    (c) Give **two** disadvantages of impact printers. (02marks)
    ……………………………………………………………………………….......
    ……………………………………………………………………………….......

    (d) Give **three** examples of devices that can be used to input sound. (03marks)
    ……………………………………………………………………………………
    ……………………………………………………………………………………
    …………………………………………………………………………….....……

22. (a) Define the term **computer program.** (01mark)

   ………………………………………………………………………………………………
   ………………………………………………………………………………………………

   (b) Suggest **two** characteristics of a good programming language. (02marks)

   ………………………………………………………………………………………………
   ……………………………………………………………………………………...………

   (c) Write down **three** language processors. (03marks)

   ………………………………………………………………………………………...………
   …………………………………………………………………………………..……………
   ……………………………………………………………………………...…………………

   (d) Give **one** example of;

   i) High level programming language. (01mark)

   ………………………………………………………………………….…………
   …………………………………………………………………………………………

   ii) Low level of programming language. (01mark)

   …………………………………………………………………………….…………
   …………………………………………………………………………………………

   (e) Give **two** advantages of High level programming language over low level
   programming languages. (02marks)

High level programming language	Low level programming language

23. (a) Define **web hosting** (01 mark)

   ………………………………………………………………………………………………
   ………………………………………………………………………………………………
   …………………………………………………………………………………………...……

   (b) Give **three** limitations of websites. (03marks)

   ………………………………………………………………………………………………
   ………………………………………………………………………………………………
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(c)   Mention **two** web authorizing softwares.   (02marks)

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(d)   (i)   Give **three** factors considered when designing a website.   (03marks)

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        (ii)   State the file extension of a web publication file.   (01mark)

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24.   Study the figure below and answer the questions that follow.

	A	B	C	D	E	F	G	H
1								
2		No	Name	BIO	MTC	ENG	TOTAL	POSITION
3		1	Ali	16	20	16		
4		2	Betty	42	16	20		
5		3	Peter	61	20	90		
6		4	Choti	62	15	92		
7		5	Guddi	70	70	62		
8		6	Bob	82	90	60		

Write an appropriate formular that can be used to obtain;

(a)   Total score for;

        (i)   Betty   (01 mark)

………………………………………………………………………………………………

………………………………………………………………………………………………

        (ii)   Choti   (01 mark)

………………………………………………………………………………………………

………………………………………………………………………………………………

(b)   Position for;

        (i)   Guddi   (01 mark)

………………………………………………………………………………………………

………………………………………………………………………………………………

(ii) Peter (01 mark)

………

………

(c) (i) Assuming Nabutereka was placed between Choti and Guddi, write a

formular that can be used to get her total. (02 marks)

………

………

(ii) Besides Microsoft Excel, identify any other **two** examples of spread sheet
application software (02 marks)

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(iii) Give **two** operators that are applied in spreadsheet application. (02 marks)

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25. (a) Define the term a multimedia. (01mark)

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(b) Show how internet can be used in the following areas.

(i) Education. (02 marks)

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(ii) Home. (02 marks)

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(iii) Business. (02 marks)

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(c) Outline **three** factors that affect internet speed and connectivity. (03 marks)

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26. (a) Define the term Bus cable. (01 mark)

………………………………………………………..…..………………

………………………………………………………………..………....………

(b) Identify **two** types of buses in computer architecture. (02 marks)

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………………………………………………………….………………………

(c) Differentiate between a port and a slot. (02 marks)

…………………………………………………………………….……………

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(d) Give **three** internal components of a system unit. (03 marks)

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(e) Give **two** advantages of a hard disk over a compact disk. (02 marks)

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SECTION C (20 Marks)

27. (a) Differentiate between coding and debugging in relation to computer programming.
(04 marks)
(b) Explain the various characteristics of a good software. (12 marks)

(c) Identify four major steps taken when designing a program. (04 marks)

28. Explain with relevant examples the implications of using computers in a society.
(20 marks)

29. Explain **four** basic database objects of database management system. (20 marks)

END