840/1
COMPUTER STUDIES
2 hours 30 minutes

ST. HENRY'S COLLEGE SCHOOL
UGANDA CERTIFICATE OF EDUCATION
EXTERNAL ONLINE TEST: **2020**
Computer Studies SENIOR FOUR Paper 1
2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES

1. *Write your name and stream in the spaces above.*

2. *This paper is made up of three sections*: A, B and C respectively.

3. *Section* **A** *contains* **40 compulsory** *objective-type questions. Write your best alternative:* **A, B, C** *or* **D,** *in the box provided.*

4. *Section* **B** *contains* **four compulsory** *structured questions. Answers must be written in the spaces provided.*

5. *Section C is made up of three questions. Attempt only one.*

6. Send your work on my email.

FOR OFFICAL USE ONLY										
MCQ	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**TOTAL**

Turn Over

This Section is **compulsor***y. Write in the box the correct alternative to each of the following questions 1 – 20 respectively.*

1. The term computer is derived from a Latin word "***Computare***" to locally mean to:

   A. simplify work   C. calculate and multiply
   B. add and count   D. input and store data

2. Machines in the first generation were generally slow because they:

   A. were huge
   B. had moving parts
   C. used base 10 numbering system
   D. they were heavy.

3. A ………….. is an example of an imaging input hardware device.

   A. monitor   C. webcam
   B. speaker   D. stylus pen

4. ……………… enables a user to send multiple e-mails without the first addressee not knowing that others have received the same copy.

   A. C.C   C. Send to all
   B. Trash   D. BCC

5. To connect a peripheral device to a computer, one will need:

   A. Software and peripheral
   B. Software and driver
   C. Driver and peripheral
   D. Operating system and peripheral

6. A ……………. is a section of a webpage that if clicked, links the user to other pages inside site.

   A. Table   C. Objects
   B. Hyperlink   D. Connection

7. To keep power distribution in a computer lab well grounded, there must be a(n):

   A. Uninterruptible power supply
   B. Power distributor
   C. Vacuum cleaner
   D. Power regulator

8. …………… is a type of computer virus that activates itself every time a special key is pressed.

   A. Hoax   C. Love letter
   B. Trojan horse   D. Logic bomb

9. Which of the following will provide the largest memory storage capacity?

    A. 7OO MB
    B. 1.2 GB
    C. 8,000 KB
    D. 0.3 TB

10. Female ports have …………….. while male ports have ……………….. For easy connection.

    A. pins, holes
    B. holes, interface
    C. holes, pins
    D. interface and pins

11. Sound produced by speakers is in ……………… form.

    A. hybrid
    B. analogue
    C. digital
    D. dedicated

12. To add items from cell C1 to C10,000, the following formula will be used

    A. @SUM(C1..C10,000)
    B. +(SUM(CI:C10,000)
    C. =SUM(CI,C10,000)
    D. =SUM(C1;C10,000)

13. Accessing a corporate intranet, a user must have:

    A. Password and user code
    B. Password and username
    C. Thumb print key and username
    D. Username and gopher.

14. A computer network media that supports large volumes of data transfer is the:

    A. Token ring
    B. Fibre optical
    C. Twisted pair
    D. Coaxial cable

15. Labels are a data type associated with …………….. application software program.

    A. word-processing
    B. presentations
    C. database
    D. spreadsheets

16. RJ45 media is frequently used for ……………… network cable before use.

    A. troubleshooting
    B. terminating
    C. clipping
    D. routing a

17. Compact disks use ……………. technology to store data.

    A. magnetic
    B. laser
    C. opt- magnetic
    D. traditional

18. …………. are used to track visitor on a given website.

    A. Gophers
    B. Bookmarks
    C. Cookies
    D. Webmasters

Turn Over

19. A running presentation can be stop by pressing the ……………… on the keyboard.

    A. Enter key   C. F5 key

    B. Arrow keys   D. Esc key

20. …………….. is a type of software program always downloaded for free from the internet.

    A. Shareware   C. Freeware

    B. Public domain software   D. Demo

SECTION B: (60 MARKS)

This section is compulsory and all questions carry equal marks.

21. (a). Define the term computer generations. (*02 marks*)

………………………………………………………………………………………………

………………………………………………………………………………………………

    (b).   Mention any **three** features of the fifth computer generation. (*03 marks*)

………………………………………………………………………………………………

………………………………………………………………………………………………

………………………………………………………………………………………………

    (c). State any **two** characteristics of computers developed during the mechanical era. (*02 marks*)

………………………………………………………………………………………………

………………………………………………………………………………………………

    (d). Write the following abbreviations in full. (*03 marks*)

        (i).   I.C. …………………………………………………………………………..

        (ii)   VLSI…………………………………………………………………………

        (iii)   COBOL………………………………………………………………………

22. (a). Mention any **two** parts that make up a computer system. (*02 marks*)

………………………………………………………………………………………………

………………………………………………………………………………………………

    (b).   (i).   State any **two** imaging devices used in a computer lab.(02 marks)

………………………………………………………………………………………………

………………………………………………………………………………………………

(ii).   List any **one** example of an imaging application computer software. (01 mark)

……

(c).Convert the following to hexadecimal (*02 marks*)
    137

(d).   (i)   State **one** reasons why computers use binary numbering system. (*01 mark*)

……

……

(ii).   Distinguish between text insertion and over typing as used in word processing. (*02 marks*)

……

……

……

23. (a).State any **two** characteristics of a computer virus. (*02 marks*)

……

……

(b).   Mention any **two** examples of presentations application software program. (*02 marks*)

……

……

(c).(i).   State any **two** examples of computer system tools. (*02 marks*)

……

……

Turn Over

(ii).   Distinguish between formatting and deleting work off a floppy diskette. (*01 mark*)

……

……

……

(d).   State **one** reason for using an anti virus on a computer. (*01 mark*)

……

24. (a).State any **three** causes of a slow downloading website. (03 marks)

……

……

……

(b).   Describe the meaning of the following terms as used to web development. (03 marks)
    (i).   Marquee

……

……

    (ii).   Hit counter

……

……

    (iii). Shared boarder

……

……

(c) State any two basic tags used in html to develop a webpage. (02 marks)

……

……

(d) Mention any two functions of a webmaster. (02 marks)

……

……
(a).Define a database. (*02 marks*)

……

……

(b). State any **two** examples of database application software program. (*02 marks*)

……

……

(c). Describe the following terms as related to a database. (*02 marks*)
  (i). Record

……

  (ii). Field

……

(d).(i). Distinguish between validation rule and validation text. (*02 marks*)

……

……

……

  (ii). State any **two** examples of data types used in a database. (*02 marks*)

……

……

25. (a). Distinguish between peer-to-peer and sever to client functional relationship.(*02 marks*)

……

……

(b). State any **three** hardware devices required to set up a simple network. (*03 marks*)

……

……

……

(c). Write the following abbreviation in full as related to a computer network (*02 marks*)

  (i). TCP/IP…………………………………………………………………………………………

  (ii). UTP……………………………………………………………………………………….…

(d). Mention any **three** computer crimes that are related to using a computer network. (*03 marks*)

……

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

Turn Over

SECTION C: (20 MARKS)

*Attempt only **one** question from this section.*

26. Identify and explain how hardware devices can improve education in a school. (20 marks)

27. Describe how the internet is misused by society and suggest measures that can be adopted to reduce the danger. (20 marks)

28. An Examination Board has decided to use Optical Character Recognition (OCR) software to convert candidates' examination scripts into an electronic format. Examiners will then receive and mark scripts electronically. Outline advantages and disadvantages to the examiner of receiving and marking scripts in this way. (20 marks)

End