	Random No.					Personal No.	

(Do not write your School / Centre Name or Number anywhere on this booklet.)

840/1
COMPUTER STUDIES
Paper 1
Oct. / Nov. 2015
2½ hours

UGANDA NATIONAL EXAMINATIONS BOARD

Uganda Certificate of Education

COMPUTER STUDIES
Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

Write your name, signature, random and personal numbers 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 booklets provided.*

Any additional question(s) answered will **not** *be marked.*

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MCQ	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	TOTAL

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SECTION A: (20 MARKS)

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

1. The ability of the computer to perform many different tasks is termed as......
    A. reliability.   C. versatility.
    B. efficiency.   D. accuracy.

2. Digital cameras save the expense of all the following **except**...............
    A. duplication.   C. film developing.
    B. posting.   D. battery power.

3. In computer storage capacity, a megabyte is approximately equivalent to ....bytes.
    A. 1, 073,741, 824.   C. 1, 024.
    B. 1, 048, 574.   D. 1, 099, 511, 627, 776.

4. When using a word processor, a footer can **best** be defined as...............
    A. a text that prints in the bottom margin of a page.
    B. a text that prints in the gutter of a page.
    C. a text that prints in the top margin of a page.
    D. the last word of a document.

5. Spreadsheets would be the **best** computer application to carry out.............
    A. the production of letters.
    B. budgeting and financial projections.
    C. notes about appointments and meetings.
    D. drawing of graphics and structural designs.

6. The process of writing a program is commonly called..................
    A. running.   C. coding.
    B. compiling.   D. debugging.

7. Which one of the sets below contains network security technology?
    A. Firewall and encryption.   C. Spamming and adware.
    B. Pharming and phishing.   D. Cookies and spyware.

8. Computer management utilities, such as disk defragmentation, are found in .... menu.
    A. Entertainment   C. System tools
    B. Accessibility   D. Communications

9. Which one of the following makes up the last phase of system development?
    A. Feasibility study.   C. Coding.
    B. Maintenance.   D. Testing.

10. The startup computer instructions on **boot up** are found in ....
   A. ROM BIOS.
   C. REGISTER.
   B. CPU.
   D. CONFIG • SYS.

11. The standard markup language used in creating most webpages is................
   A. HTTP.
   C. URL.
   B. TCP.
   D. HTML.

12. In databases, a field is...........................
   A. a unit of information in a record.
   B. the way information is displayed.
   C. a particular listing with a file.
   D. the entire collection of data.

13. Which one of these below is **not** performed by the computer's operating systems?
   A. Loading of computer programs.
   B. Interfacing between the user and the program.
   C. Removing computer virus.
   D. Scheduling tasks for execution.

14. The development of wireless computer networks was a technological milestone in the ....generation.
   A. First
   C. Third
   B. Second
   D. Fourth

15. The following are web browsers **except**........................
   A. Internet explorer.
   C. Mosaic.
   B. Netscape navigators.
   D. Google.

16. The process of transferring files from a client computer to a server on the Internet, is referred to as......................
   A. saving.
   C. downloading.
   B. uploading.
   D. storing.

17. Which one of the following is **not** a utility program?
   A. Backup.
   C. Defragmenter.
   B. Registers.
   D. Disk cleaning.

18. The software most suitable for producing visual aids to enhance communication of ideas is ....software.
   A. database
   C. presentation
   B. spreadsheet
   D. word processing

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19. A combination of characters associated with a user name that allows one to access computer resources is referred to as.........................
    A. User ID.   C. Password.
    B. Login.   D. Wordstar.

20. Which of the following structures is **not** correct for a URL?
    A. ftp://www.google.com.   C. http:// www.google.com.
    B. https:// www.google.com.   D. html: //www.google.com.

SECTION B: (60 MARKS)

*Answer **all** questions in this section.*
*All answers **must** be written in the spaces provided.*

21. (a) Give any **two** ways of categorizing computers.   (*02 marks*)
         (i)...

         (ii)..

    (b) Name **three** stages of the data processing cycle.   (*03 marks*)

         (i)...

         (i)...

         (iii)...

    (c) (i)   Distinguish between computer legal issues and ethical issues.
                                                              (*02 marks*)
         (i)...

         (i)...

         (i)...

         (i)...

         (i)...

         ....

         (ii)   Give any **three** computer ethical issues.   (*03 marks*)

         (i)...

         (i)...

         ....

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22. (a) (i) Name any **two** ports through which computer peripherals are connected. (*02 marks*)

....

....

(ii) Give any **two** components inside a computer which can be replaced or upgraded, when the computer is slow. (*02 marks*)

....

....

(b) Outline **two** uses of a computer system control panel. (*02 marks*)

(i)..

(ii)...

(c) (i) Explain a computer system interface. (*02 marks*)

....

....

....

....

(ii) Identify any **two** features of an application software interface. (*02 marks*)

....

....

23. (a) Explain the following functions as used in spreadsheet applications.

(i) **IF** (*02 marks*)

....

....

....

(ii) **MAX** (*02 marks*)

....

....

....

(b) When is an **absolute cell reference** necessary in a spreadsheet formula? (*02 marks*)

....

....

....

....

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(c)   Give the function of each of the following field properties in a database table design.

   (i)   **Default Value**.   (*02 marks*)

   ....

   ....

   ....

   (ii)   **Validation rule**.   (*02 marks*)

   ....

   ....

   ....

24. (a) (i)   What is a peer to peer computer network?   (*02 marks*)

   ....

   ....

   ....

   (ii)   Name any **three** examples of communication media used in a computer network.   (*03 marks*)

   ....

   ....

   ....

   (b) (i)   Define a **webpage**.   (*02 marks*)

   ....

   ....

   (ii)   State **three** benefits of a school having a website.   (*03 marks*)

   ....

   ....

   ....

   ....

   ....

25. (a) State **five** factors considered in order to come up with an attractive and professional presentation.   (*05 marks*)

   (i)   ....

   (ii)   ....

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(iii) ....

(iv) ....

(v) ....

(b) Give any **two** ways that can be used to navigate an electronic word document. *(02 marks)*

(i) ....

(ii) ....

(c) Outline the effects of the following word processing features:

(i) **Indentation** *(01 mark)*

....

....

(ii) **Superscript** *(01 mark)*

....

....

(iii) **Line spacing** *(01 mark)*

....

....

26. (a) Define the term **off-shelf software**. *(02 marks)*

....

....

....

(b) In the table below, categorise the given programmes as either system software or application software.

- AutoCAD.
- Windows 2000.
- Disk defragmenter.
- Publisher.

SYSTEM SOFTWARE	APPLICATION SOFTWARE
(i)	(iii)
(ii)	(iv)

(04 marks)

(c) Explain the following computer programming tools:

(i) **Compiler** *(02 marks)*

....

....

....

....

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(ii) **Interpreter**   (*02 marks*)

....

....

....

....

SECTION C: (20 MARKS)

Answer only **one** *question from this section. Answers to the question* **must** *be done in the answer booklet provided.*

27. (a) You are provided with the following computer hardware parts and other electrical accessories:

      (i) AC mains socket outlets.

      (ii) Uninterruptible Power Supply (UPS).

      (iii) UPS power cable.

      (iv) System Unit.

      (v) System Unit power cable.

      (vi) Monitor.

      (vii) Monitor power cable.

      (viii) Mouse.

      (ix) Key board.

      (x) VGA cable.

      Describe how they can be assembled to make a complete functioning computer.   (*12 marks*)

    (b) Outline the logical order of switching on the computer system, assembled in (a).   (*08 marks*)

28. (a) Describe any **four** services that are provided by the Internet.
                                          (*08 marks*)

    (b) Explain the functions of any **four** devices that can be used to connect the Internet.   (*12 marks*)

29. Using a computer programming language of your choice, write a computer program that will be used to find a product of two numbers.

                                                  (*20 marks*)

END