Candidate's Name:	Centre No.					Personal No.		
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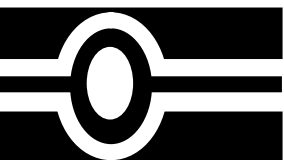
840/1
COMPUTER STUDIES
Theory
Paper 1
Aug. 2017
2 ½ hours

KOBOKO DISTRICT SECONDARY SCHOOLS EXAMINATIONS BOARD
(KODSSEB)

Uganda Certificate of Education
Mock Examinations, 2017

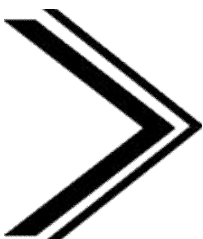COMPUTER STUDIES

(Theory)

2 hours 30 minutes

Paper 1

INSTRUCTIONS:

- *Write your name on the space provided.*
- *This paper is made up of three sections:* **A***,* **B** *and* **C** *respectively.*
- *Section* **A** *contains* **20** *compulsory objective- type questions. Put a ring ⬭ on your best alternative* **A***,* **B***,* **C** *or* **D***.*
- *Section* **B** *contains structured questions. Answer all of them from the space provided.*
- *Section* **C** *contains three essay questions. Answer only* **one***. Answers to this section* **must** *be written on the answer booklet(s) provided.*

FOR EXAMINERS' USE ONLY										
MCQ	21	22	23	24	25	26	27	28	29	TOTAL

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

1. Which one of the following components is a main computer storage device?

   A. Hard disk drive   B. Compact disc   C.DVD   D. Floppy diskette

2. The ability of a computer to automatically configure peripheral devices is done known as …..

   A. Supervision   B. drivers   C. registering.   D. plug and Play

3. When system peripherals stop working suddenly, computer users can be advised to start by……..

   A. Identifying the cause of the fault.

   B. Buying a new peripheral device.

   C. Changing the version of the peripheral.

   D. Going to another computer.

4. Which one of the following program development stage would be the best stage for starting to develop a program to solve user's needs?

   A. Need identification.   C. Program design.

   B. Problem coding.   D. Program testing.

5. System device configurations checked during the booting process are generally kept in the?

   A. RAM   B. BIOS   C. CMOS   D. POST

6. Which one of the following computer generations represents the invention of the operating system?

   A. First generation   C. Fourth generation

   B. Second generation   D. Third generation

7. A real system development process contains

   i.   System analysis
   ii.   System design
   iii. Testing
   iv.   Coding

A. (i) only

B. (i) and (ii) only

C. (ii) and (iv) only

D. (i), (ii), (iii) and (iv)

8. Which one of the following components is an element of the central processing unit?

   A. CMOS   B. RAM   C. Accumulators   D. Pixels

9. The program that loads operating system into memory during computer system start-up is……….

   A. DOS   B. boot strap   C. BIOS   D. POST

10. Which one of the following practices would slow down the speed of the computer system?

   A. Increasing the amount of RAM

   B. Running several software applications at the same time

   C. Using a smaller screen or monitor

   D. Using a very small mouse

11. In computer studies troubleshooting refers to a form of

   A. Problem solving   C. Protecting the computer

   B. Data security measures   D. Crime preventing

12. A local area network (LAN) without a dedicated server is called………………network.

      A. A client server

      B. A peer to peer

      C. A ring

      D. An intranet

13. Which one of the following statements is correct about mail merge feature of word processors?

   A. It is used to develop multiple copies of the same letter for different recipients

   B. It is used to send multiple copies of the same letter to different recipients.

   C. It is used to import multiple copies of the same letter

   D. It is used to export multiple copies of the same letter

Turn Over

14. In program coding a term used to represent one or several variables, operators, constants, or values is referred to as?

    A. an expression   C. a statement

    B. a source code   D. a function

15. At what stage of programming is the programmer involved in checking for code errors for correction?

    A. Program debugging and testing stage.

    B. Program coding stage

    C. Program Analysis stage

    D. Program correcting and clearing stage

16. Computer ethics would best be described by ……………………………………………

    A. being polite on line   C. trade marks

    B. trade names   D. copyrights

17. A …………….is a preliminary working version of a software product for demonstration and evaluation by end users.

    A. Version.   C. Prototype.

    B. Release.   D. System life cycle.

18. Which one of the following wildcard is used to represent any string of text from nothing up to an entire paragraph or more?

    A. Asterisk (*)   C. Question mark (?)

    B. Double asterisk (**)   D. Two question marks (??)

19. Which one of the following hardware devices is an input component?

    A. Monitor.   B. CPU.   C. Keyboard.   D. CD ROM

20. Which of the following is correct about electronic spreadsheets?

    A. One can perform calculations in spreadsheets.

    B. One can create a letter using a spreadsheet.

    C. A student can type an essay using a spreadsheet.

    D. A student can download information using spreadsheets.

SECTION B (60 MARKS)

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

21. a) Define transmission mode and its types. (2 marks)

……

……

……

b) Distinguish between half duplex and full duplex (4 marks)

……

……

……

c) What are the types of transmission media? (2 marks)

……

……

……

d) How do guided media differ from unguided media? (02 marks)

……

……

……

22. a) Define the term off the shelf software. (2marks)

……

……

b) In the table below, categorize the given programs as either system software or application software. (2 marks)
- Auto CAD.
- Windows 2000.
- Disk defragmenter.
- Publisher.

SYSTEM SOFTWARE	APPLICATION SOFTWARE

(4 marks)

c) Explain the following computer programming tools:
   (i) **Compiler** (2marks)

……

……

(i)   **Interpreter**   (2marks)

....

....

23. a) Give *three* arithmetic functions found in electronic spreadsheets.   (6 marks)

....

....

....

b) Give *two* examples of electronic database software.   (2 marks)

....

....

....

c) Give *two* uses of query objects created in electronic databases.   (2 marks)

....

....

....

24. a) In relation to computer communication and networks, explain the meaning of the following

terms.

(i)   Server   (2 marks)

(ii)   ....

....

....

(iii) Client   (2 marks)

(iv)   ....

....

....

b). (i) State three advantages of depending on computer networks   (3 marks)

....

....

....

(ii) Write the acronym MODEM in full   (1 mark)

....

(iii) Give *two* advantages a school would enjoy by having a website   (2 marks)

………

………

………

25. a) Give *three* features of an electronic word processor interface.   (3 marks)

………

………

………

b) List *three* examples of documents one can create using an electronic word processor.

(3 marks)

………

………

………

c) Give one use of each of the following electronic presentation features

i) Slide master: (2 mark)

………

………

………

ii) Slide sorter view: (2 mark)

………

………

………

26. (a) (i) Distinguish between a browser and E-mail Software.   (2marks)

………

………

………

………

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

Browser.   (2marks)

………

………

E-mail   (2marks)

....
....

(b) What is meant by the following terms?

(i) Search engine.   (1mark)

....
....

(ii) Multimedia   (01mark)

....
....

(c) State two examples of web authoring software   (2marks)

(i)..
(ii)...

SECTION C (20 MARKS)

Answer only **one** *question from this section. Answers to this question must be done on the answer booklet(s) provided.*

27. (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)

28. (a) outline the advantages of networking over standalone computer.   (08marks)

(b) Using illustrative diagrams, describe the various forms of LAN topologies.   (12marks)

29. (a) Why do people prefer to use flash disks over floppy disks today?   (04 marks)

(b) Outline the ways computers and data may be protected against viruses.   (16 marks)