

Name:

Centre/Index No...../.....

Signature:

840/1

COMPUTER STUDIES

THEORY

Paper 1

July/August 2019

2 ½ hours



UGANDA TEACHERS' EXAMINATIONS SCHEME

Uganda Certificate of Education

JOINT MOCK EXAMINATIONS

COMPUTER STUDIES

(Theory)

Paper 1

2 hours and 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 must be written in the box provided on the right hand side of each question.

Section B contains six compulsory structured questions.

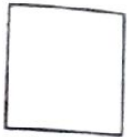
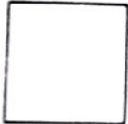
Answers to section B must be written in the spaces provided in the question paper.

Section C contains three essay type questions. Answer only one. Answers to section C must be written in the answer booklet provided.

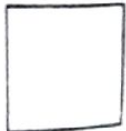
Write your name, signature, centre and index number in the spaces above.

For Examiners' Use only										
MCQ	21.	22.	23.	24.	25.	26.	27.	28.	29.	Total

SECTION A (20 MARKS)

1. Solid state storage devices differ from traditional more common storage devices in that they require.
A. No moving parts
B. Lots of access time
C. No backup
D. More power.

2. The idea of networking was introduced in the generation of computers.
A. First
B. Second
C. Third
D. Four

3. Desktops, computer tablets, and laptops are examples of.....
A. Super computers
B. Mainframe computers
C. Microcomputers
D. Minicomputers

4. Demodulation means?
A. Conversion from digital to analog signals.
B. Conversion from data to information.
C. Conversion from analog to digital signals.
D. Conversion from information to data.

5. Which of the following is not an element of data communication system
A. Sender
B. Server
C. Message
D. Receiver


6. If the transmission can be possible in two way directions but only one direction at a time, this can be referred to as?
- A. Simplex transmission
 - B. Parallel transmission
 - C. Half duplex transmission
 - D. Dull duplex transmission
7. A web page has a unique address called?
- A. Hypertext transfer protocol
 - B. Transmission control protocol/internet protocol
 - C. Uniform resource locator
 - D. World Wide Web (WWW).
8. Which of the following is a common technology used in a wireless LAN?
- A. http
 - B. Wi-Fi
 - C. FTP
 - D. IP
9.is an example of a Boolean data type.
- A. 2019/03/5
 - B. YES/NO
 - C. \$90
 - D. 101001
10. The text you type using a computer is directly stored in..
- A. ROM
 - B. A directory
 - C. BIOS
 - D. RAM
11. Which of the following networking devices is used to link two similar network configurations?
- A. Bridge
 - B. A gateway
 - C. Router
 - D. Hub

12. is an address that change when a formula is copied to another location in the spreadsheet.

- A. Mixed address
- B. Relative address
- C. Absolute address
- D. Formula address

☐

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

- A. release
- B. Version
- C. System life cycle
- D. Prototype

☐

14. In computer studies troubleshooting refers to a form of

- A. Problem solving
- B. Crime prevention
- C. Protecting the computer
- D. Data security measures

☐

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

- A. Program correcting and clearing stage
- B. Program coding stage
- C. Program analysis stage
- D. Program debugging and testing stage.

☐

16. The ability of a computer to automatically configure peripheral devices is known as...

- A. Registering
- B. Plug and play
- C. Supervision
- D. Configuration

☐

17. The following type of corporate networks uses the standards and infrastructure of the internet and the World Wide Web.

- A. Local area Network
- B. Intranet
- C. Peer to Peer
- D. Extranet

☐

18. Which file extension type is used for picture files?

- A. xls
- B. doc
- C. gif
- D. mp3

☐

19. The largest key on the keyboard is the.....

- A. Return key
- B. Space key
- C. Caps lock key
- D. Backspace key.

☐

20. Computer ethics would best be described by.....

- A. copy rights
- B. Trade names
- C. Trade marks
- D. Being respectful online

☐

SECTION B (60 MARKS)

21. (a) Briefly describe the following classes of computers (02 Marks)
- (i) Hybrid computer
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- (ii) Stand-alone computers (02 Marks)
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- (iii) Server computers (02 Marks)
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- (b) State any **four** characteristics showed by computers in the fifth generation. (04 Marks)
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22. (a) Which laboratory equipment performs the following routine maintenance in the Computer laboratory? (4 marks)
- (i) Regulates the room temperature.
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- (ii) Protects user's sight from being damaged by strong light rays from the monitor.
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(iii) Regulates fluctuations in voltage.

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(iv) Provides alternative source of power when power goes off abruptly.

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(b) List any two safety measures undertaken to protect students in computer laboratory. (02marks)

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(c) Mention any four hardware components connected externally to the system unit of a computer. (04marks)

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23. (a) List any three Presentation software that you know. (03marks)

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- (b) Mention any three features that make presentation software better application software for making a business presentation. (03marks)

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- (c) Define the following terms as applied to presentations. (04marks)

(i) Handout

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(ii) Template

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(iii) Slide master

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(iv) Multimedia

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24. (a) Match the statements with each of these terms; (4 marks)
Active partition, Partitioning, Registry, Windows Explorer.

i) The process of assigning part or all the drive for use by the computer is.....

ii) is central information database for Windows 2000 and Windows XP organized into a structured hierarchical database to hold hardware, operating system, and application settings and configuration.

iii)allows a user to manage files and directories from a single graphical interface.

iv) The partition used by the operating system to boot the computer is.....

(b) Outline **three** management functions of an operating system. (03 Marks)

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(c) Mention any three commonly used operating systems today. (03marks)

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5. (a) Explain **three** methods of error detection in a program code. (03 Marks)

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(b) Give **three** qualities of a good website (03 Marks)

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- (c) List **four** justifiable reasons why computer studies should be made compulsory in secondary schools. (04 Marks)

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26. (a) Write the following in full. (04marks)

(i) MIPS

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(ii) GIGO

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(iii) RFID

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(iv) RSI

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- (b) Differentiate between input and output devices. (02marks)

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- (c) Give two advantages of having information in softcopy form. (02marks)

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- (d) Suggest one example of each of the following categories of storage media. (2marks)

(i) Solid state storage media

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(ii) Optical storage media.

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SECTION C (20MARKS)

27. (a) Explain five computer professions in Uganda. (10marks)
(b) Describe the steps taken when developing a new computer software program. (10marks)
28. (a) Define the term cybercrime. (02marks)
(b) Describe any four cybercrimes that you may know. (08marks)
(c) Explain any five causes of computer system failure. (10marks)
29. A system unit is a metallic box that contains electronic components of the computer. Describe any ten (10) components that you know. (20marks)

END