

Name:.....Centre/Index No.

Signature

840/1
COMPUTER STUDIES
THEORY
Paper 1
2¹/₂ Hours

PRE-MOCK EXAMINATIONS

PAPER 1

COMPUTER STUDIES THEORY

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

*Write your name, signature, centre and index number in the spaces above.
This paper consists of sections A, B and C.*

Answer all sections.

Section A contains 20 compulsory objective-type questions. The correct alternative A, B, C or D against each question must be written in the box provided on the right hand side of each question.

Section B contains six structured questions. Attempt any four.

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

Section C contains three essay questions. Attempt only one. Answers to section C must be written in the answer booklets provided.

For Examiner's use only

MCQ	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Total

SECTION A

*Attempt **all** questions in this section.*

1. When a computer user is using writing information of a CD-ROM which memory is in active use
 - A. Main memory.
 - B. Read only memory
 - C. Random access memory
 - D. Write only memory

2. One of the following outlines the most probable path of work in a computer:
 - A. Input-Processing -Storage-Output
 - B. Processing- Storage - Output-Input
 - C. Input-Processing-Output-Storage
 - D. Output-Processing-Storage -Input

3. The basic function of Input devices is to:
 - A. To Command the computer.
 - B. To enter instructions into the computer.
 - C. To instruct the computer.
 - D. To access the computer programmes.

4. One of the following is the most correct:
 - A. Instructions to a modern computer are given through the keyboard.
 - B. Instructions to a modern computer are given through the mouse.
 - C. Instructions to a modern computer are given through the flash disk.
 - D. Instructions to a modern computer are given through the programmes.

5. When a computer is turned on it does one of the following first:
 - A. It reads the disk drives.
 - B. It searches for the application programmes.
 - C. It searches for the operating system in the memory.
 - D. It reads in its Random Access Memory for programmes.

6. Most microcomputers are said to be:
 - A. Macintosh compatible.
 - B. Personal computers.
 - C. IBM Compatible computers.
 - D. Standard computer system.

7. A kilobyte is composed of:
- A. approximately 1,000 digits.
 - B. approximately 1,000 bits
 - C. approximately 1,000 bytes
 - D. approximately 1,000 units of data.
8. RAM and ROM are also said to be
- A. the volatile memory of the computer.
 - B. the permanent memory of the computer.
 - C. the physical memory of the computer.
 - D. the temporary memory of the computer.
9. The function of the **BUS** is to do one of the following
- A. to carry information around the computer.
 - B. to transfer information between the various components in the computer.
 - C. to transfer information from the input to the output devices.
 - D. to carry information from the input to the display devices.
10. A Modulator and Demodulator device is commonly known as the:
- A. MODADEM.
 - B. MODULA DEMO.
 - C. MODEM
 - D. MODECOM
11. One of the following is the most commonly used input device:
- A. Mouse.
 - B. Keyboard.
 - C. Joystick.
 - D. Light pen.
12. One of the following is not an application programme
- A. Lotus 1-2-3.
 - B. Quatro Pro.
 - C. Java script.
 - D. MS Works.
13. When a computer's programmes suddenly stop and the computer stops responding, it is said to have:
- A. Hang.

- B. Frozen.
 - C. Slept.
 - D. Hibernated.
- 14.** One of the following is not a common function of the word processor.
- A. Drawing tables in the document.
 - B. Inserting maps in the document.
 - C. Calculating percentages and averages in a document.
 - D. Composing e-mail text messages.
- 15.** Which one of the following is the most progressive use of a computer by a student in the future?
- A. Online education functions.
 - B. Writing music and video discs.
 - C. Using DVD-ROM/R drives to watch and write movies for a living.
 - D. Reading news papers online instead of wasting money on buying papers.
- 16.** ISP usually stands for
- A. Internet Service Programme.
 - B. Internal System Protocol.
 - C. Internet Service Programme.
 - D. Internet Service Provider.
- 17.** Internet Cafés are meant to provide some of the following services
- A. Soft drinks, Internet services, Information services and News.
 - B. Alcoholic drinks, Internet services, Information services and News.
 - C. Soft drinks, Internet services, Information services and First Aid.
 - D. Soft drinks, Internet services, Information services and Banking.
- 18.** The most commonly used computer today is the
- A. Micro computer.
 - B. Mini computer.
 - C. IBM computer.
 - D. Mainframe.
- 19.** Which type of software is used to request a specific resource from the server?
- A. Server software.
 - B. Client software.
 - C. System software.
 - D. Messaging software.

20. In order to give a colorful lecture to my class, which programme would I employ to achieve my aim?
- A. Spreadsheet software.
 - B. Presentation software.
 - C. Demonstration software.
 - D. Lecture Presentation software.

SECTION B: (60 MARKS)

Answer any **four** questions. All the working **must be done in the spaces provided**,

21. (a) Define the following terms as used in computers use. (03 marks)

(i) Input

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(ii) Output

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(iii) Processing

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- (b) Briefly describe what the following input devices are and how they work. (06 marks)

(i) Keyboard.

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(ii) Mouse

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(iii) A digital camera.

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(c) List three factors that may affect the processing speed in a computer
(03 marks)

(i)

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(ii)

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(iii)

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(d) Define the following units of storage in a computer *(03 marks)*

(i) Byte

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(ii) Bit

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(iii) Gigabyte.

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22. (a) What is **GUI** in full? *(01 mark)*

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(b) Mention **two** advantages and **two** disadvantages of GIU *(04 marks)*

Advantages:

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Disadvantages:

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(c) (i) Why is it said that GIU is a '*point and click*' interface? *(02 marks)*

(ii) What is an *'active window'* ? (02 marks)

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(iii) What is a *'dialogue box'* ? (02 marks)

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(iv) What is an *'icon'* ? (02 marks)

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(v) What is the use of the *'menu bar'* to a user? (02 marks)

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23. (a) Explain the following terms as used in computer studies:

(i) System software (02 marks)

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(ii) Application software (02 marks)

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(ii) Utility programmes

(02 marks)

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(b) Outline **four** functions of an operating system software

(04 marks)

(i)

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(ii)

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(c) List any **five** operating systems that you know.

(04 marks)

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(ii)

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(iii)

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(iv)

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(v)

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24. (a) (i) Explain what a 'network' is in computer terms.(02 marks)

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(ii) Name at least **five** possible components of a network. (05 marks)

- (i)
- (ii)
- (iii)
- (iv)
- (v)

(iii) Mention the major advantage of optical fiber cables over copper cables in a network. (02 marks)

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(b) Explain the following terms in a network.

(i) Protocol (02 marks)

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(ii) NIC.

(02 marks)

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(iii) An internet.

(02 marks)

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25. (a) (i) Explain what the Internet is

(02 marks)

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(ii) What is server?

(02 marks)

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(iii) What is the main function of a server in a network? (02 marks)

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(b) (i) Explain the term 'Cyberspace' (02 marks)

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(ii) Give a brief description of a 'Star Network' (02 marks)

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(iii) Briefly describe the procedure a user would follow to access a desired web page. (05 marks)

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26. (a) Distinguish between the following as used in computers:

(i) **data** and **information.** (02 marks)

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(ii) **domain name and IP address.** (03 marks)

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(b) State **two** undesirable behaviours practiced by Internet users. (02 marks)

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(c) (i) The mouse makes Windows easier to use than the keyboard.
Explain. (04 marks)

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(ii) State **two** ways of keeping a keyboard in good working order.
(02 marks)

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(iii) State **two** ways of keeping a mouse in good working order.
(02 marks)

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SECTION C : (20 MARKS)

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

- 27.** How would you advise your Headteacher on how to use computers to improve on hi/her administration in the school? *(20 marks)*
- 28.** The use of computers has greatly increased in East Africa in recent years. Mention at least **five** areas they are commonly used and outline how they are used. *(20 marks)*
- 29.** 'Data is not safe on computers today'. Briefly explain how data on computers can be corrupted and also suggest ways of keeping it safe. *(20 marks)*

END