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UNNASE
Community

UNNASE MOCK EXAMINATION
Uganda Certificate of Education

COMPUTER STUDIES PAPER 1
Theory paper
TIME: 2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES

- *Write your **NAME, SCHOOL, SIGNATURE** and **STREAM** 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 **first page**. The objectives should be neat, visible and not crossed out.*

- *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 equally weighted essay questions. Answer only one question and clearly indicate the number attempted.*

- *Answers to Section **C** must be written on the answer sheets provided.*

Answers to Section A.

1		5		9		13		17	
2		6		10		14		18	
3		7		11		15		19	
4		8		12		16		20	

For Examination Use Only

MCQ	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	TOTAL

SECTION A (20 MARKS)

Attempt all questions in this section.

1. A characteristic of modern computers where data/information and other resources can be shared among computers is referred to as...
   A. Automation
   B. Communication
   C. Artificial Intelligence
   D. Flexibility

2. All of the following are real examples of security and privacy risks except..............
   A. Viruses
   B. Hackers
   C. Spam
   D. Identity theft

3. .... is the process of dividing the disk into tracks and sectors.
   A. Allotting
   B. Crashing
   C. Formatting
   D. Tracking

4. Mr. Wang wants to send a music file to his friend in another part of the country. What type of system software can he use to create a smaller file that is faster to transfer over the Internet?
   A. Compression
   B. Fragmentation
   C. Unzipped
   D. Merging

5. In word processing application, what is the use of a ruler?
   A. To set tabs
   B. To change page margins
   C. To set indents
   D. All the above

6. Which of these following characteristics in Excel is used to compute dynamically the results from spreadsheet data?
   A. Go to
   B. Diagram
   C. Chart
   D. Formula and Function

7. .... is the activity of purchasing items and products from different websites on the internet and using online mode such as credit cards and debit cards to make the payments.
   A. Online reservation
   B. E-Banking
   C. E-Reservation
   D. E-Commerce

8. Artificial intelligence is used in which of the following generations of computers.
   A. Second
   B. Third
   C. Fourth
   D. Fifth

9. What does MAN stand for?
   A. Micro Area Network
   B. Metropolitan Area Network
   C. Macro Area Network
   D. Mix Area Network

10. Which term is given to hardware devices that are not part of the main computer system and can be added or removed from the system?
    A. Clip Art
    B. CPU
    C. Motherboard
    D. Peripheral

11. What is Direct X?
   A. This is a set of programs that controls the operations of the computers, all inputs, outputs and storage functions of the computer system.
   B. Software that drives graphics hardware to enable game and multimedia on your system.
   C. A program that displays the contents of the website
   D. A point of interaction where the user communicates with hardware

12. Which keyboard burton or mouse action will not help the user to navigate from one slide to another in slide show mode?

   A. The mouse button
   B. The Enter Key
   C. The keyboard right Arrow Key
   D. Escape Key

13. What type of device is a digital camera?

   A. Input   B. Output   C. Processing   D. Storage

14. In programming, a description of a procedure or set of instructions required to perform a specific task, and contains descriptions of the data to be used is known as
   A. Syntax   B. Algorithm   C. Compiler   D. Code

15. Which of these formatting techniques can be used to move the paragraph closer to the margin?

   A. Change the font style
   B. Increase the indent
   C. Decrease the indent
   D. Increase line spacing

16. COBOL as a programming language is more suitable for…………………………….
   A. Graphic purposes
   B. Scientific purposes
   C. Commercial purposes
   D. Academic purposes

17. Which of the following topologies has the highest reliability?
   A. Star   B. Bus   C. Ring   D. Mesh

18. The following are symptoms of RSI except……………………………………………..
   A. Burning, aching or shooting pain.
   B. Tremors, clumsiness and numbness
   C. Unemployment
   D. Fatigue or lack of strength

19. Pathways in a computer system that work as routes for data and instructions moving from one point to another are known as………………………………………….

   A. Conductors   B. Buses   C. Connectors   D. ALU

20. In a typical computer system, operating system is installed on a…………………….

   A. DVD   B. Flash disk   C. Hard disk   D. Compact Disk

SECTION B (60 MARKS)
Attempt all questions in this section

21. (a) Define the term **"Computer system"**   *(02 marks)*

....

....

(b) List any two activities carried out by **human/people** ware as a component of computer system.   *(02 marks)*

(i)...

(ii)..

(c) Give any three **internetcommunicationtools** used in your country. *(03 marks)*

(i)...

(ii)..

(iii)...

(d) Mention any three advantages of **telecommuting** as a service offered by the internet.   *(03 marks)*

(i)...

(ii)..

(iii)...

22.(a) Give four advantages of using **flash disk** over a **Digital Versatile Disk.**
                    (04 marks)

(i)...

....

(ii)..

....

(iii)...

....

(iv)...

....

(b) Describe the following terms as used in computer studies.

(i) **Virtual Memory**   *(02 marks)*

....

....

(ii) **Pages Per Minute (PPM)** *(02 marks)*

………

………

………

(iii) **Bit** *(02 marks)*

………

………

………

23. (a) Define the term **'Troubleshooting'** as it is used in computer studies.

(02 marks)

………

………

………

(b) Mention two **types of ports** on the system unit through which a mouse can be connected. *(02 marks)*

(i)………

(ii)……

(c) Differentiate between **cold** and **warm** booting. *(02 marks)*

………

………

………

(d) Mention two activities which take place during the **POST** routine as a stage of booting. *(02 marks)*

(i)………

(ii)……

………

(e) List any two system **configuration specifications** which must be considered before installing any software on a computer. *(02 marks)*

(i)………

(ii)……

………

24. The table below belongs to a web hosting company in Kampala where their clients are stored in a database.

Client Name	Business Nature	Email Address	Home town
M and M company	Whole sale	mm@gmail.com	Entebbe
Otii Publishers	Production	ottii@gmail.com	Kampala

(a) Which of these fields is appropriate for a **primary key**?   *(01 mark)*

....

(b) State the **reason** for choosing that field as the primary key?   *(01 mark)*

....

....

(c) Under what circumstances can the following **field properties** be used.
        (06 marks)

    (i)   Field size...

             ....

    (ii)   Default value...

             ....

    (iii)   Format...

             ....

(d) Give any two **multimediaelements** which can be used in a presentation.
        (02 marks)

....

....

25. Suggest any four functions of **Windows Operating System** in a computer.
        (04 marks)

(i)...

(ii)..

(iii)...

(iv)...

(b) State two **categories** of operating system.   *(02 marks)*

(i)...

(ii)..

(c) List any two examples of **word processor** applications commonly used in your society. *(02 marks)*

(i)..

(ii)...

(iii)..

(d) What is a **programming** code? *(02 marks)*

....

....

....

26. (a) Give three reasons why a school would use an **electronic spreadsheet** to compute students' marks instead of a **manual worksheet**. *(03 marks)*

(i)..

....

(ii)...

....

(iii)..

....

(b) Mention any two **text control** features used in a spreadsheet to manage data. *(02 marks)*

(i)..

(ii)...

(iii)..

(c) Give three qualities of a **good website**. *(03 marks)*

(i)..

(ii)...

(iii)..

....

(d) Define the term **URL** *(02 marks)*

....

....

....

SECTION C (20 MARKS)

Attempt any one question from this section

27. (a) Define a computer laboratory.   *(02 marks)*

(b) Explain four ways showing how computers can be abused in your country.
                                                                               (08 marks)

(c) Outline five measures that can be taken to safeguard hardware equipment in a computer laboratory.   *(10 marks)*

28. As a computer student, you have been provided with the following computer malfunctions. Give two measures you would take for each problem to have a properly working computer.

(i)   Your computer does not start   *(04 marks)*

(ii)   A computer program is running slowly   *(04 marks)*

(iii) The mouse is not working   *(04 marks)*

(iv)   The sound is not working   *(04 marks)*

(v)   The screen is blank   *(04 marks)*

29. A computer programmer was tasked to create a program for adding two numbers and displaying the result. The two numbers are represented by variables A and B where C is the result of the two numbers. You are therefore asked to prepare a **flow chart** with clear description showing the different steps taken to create such a program.   *(20 marks)*

END

"An investment in knowledge pays the best interest."
Benjamin Franklin

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