Computer Studies 402/1
Paper 1

(INTERNAL AND EXTERNAL CANDIDATES)

Time: 1 hour 30 minutes

Mark: 60

Instructions to candidates

1 Pull out the Answer Booklet from the question paper.

2 Write your name, examination number and school/centre name on the Answer Booklet.

3 There are three (3) sections in this question paper, Section A, B and C.

4 Answer all the questions in all three (3) sections. Write all your answers in the Answer Booklet provided.

5 In Section A, for each question, four (4) suggested answers are given A, B, C and D. Choose the best answer and show it in the Answer Booklet by marking it with a cross (X).

For example if the answer is D

[Diagram of options A, B, C, D]

Information for candidates

Cell phones are not allowed in the examination room.

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO.
SECTION A [15 MARKS]

1. Name a device which can be used both for input and output of data.
   A. Printer
   B. Touch screen
   C. Soft screen
   D. Soft touch

2. Which of the following statements best describes the action the computer performs to process data?
   A. Input → storage/processing → feedback
   B. Input → output/processing → storage
   C. Input → processing/storage → output
   D. Feedback → input → processing/storage

3. A microprocessor is a ...
   A. set of instructions.
   B. storage for instructions.
   C. piece of software.
   D. piece of hardware.

4. RAM stands for ...
   A. Random Access Media.
   B. Random Access Memory.
   C. Random Advanced Memory.
   D. Random Active Memory.

5. The space on the hard drive is measured in ...
   A. megahertz.
   B. megaamps.
   C. megabytes.
   D. megawatts.

6. Which type of operating system is used in factories to control machines automatically?
   A. Multiuser system
   B. On-line system
   C. Real time system
   D. Single user system

7. What term is used to describe the process of correcting and making changes to a document?
   A. Auditing
   B. Editing
   C. Spell checking
   D. Find and replace
8. What is the correct formula for dividing B1 by the sum of B2 and B3 in a spreadsheet?
   A. \( \frac{B1}{B2 + B3} \)
   B. \( B1 \div (B2 + B3) \)
   C. \( B1 \div (B2 + B3) \)
   D. \( B3 + (B2/B1) \)

9. A ... can be used quickly to locate information on the Internet.
   A. quick locator
   B. quick finder
   C. search finder
   D. search engine

10. What should a user do to a computer not responding to commands?
    A. Switch it off
    B. Switch it off and on
    C. Plug it out
    D. Plug it out and in

11. The CPU is the device that ...
    A. stores data.
    B. processes data.
    C. prints data.
    D. inputs data.

12. Gaining unauthorized access to a computer system and changing the data is known as ...
    A. breaking.
    B. hacking.
    C. spaming.
    D. stealing.

13. When a user saves an existing document with a different name, what happens to the original document?
    A. It is lost
    B. It is kept
    C. It is moved
    D. It is replaced

14. Back and neck problem which results from the use of the computer can be reduced by using ...
    A. a fully adjustable chair for correct posture.
    B. a higher chair.
    C. a back and neck fitter.
    D. an ergonomic keyboard.
A legal right given to the publisher or owner of a software is called ...

A  publication rights.
B  user rights.
C  software rights.
D  copyrights.

SECTION B  [20 MARKS]

There are fifteen (15) questions in this section.

Answer all the questions in this section by using one word or a short phrase.

Write all your answers in the Answer Booklet provided.

16 A ... is the hardware that allows a computer to produce audio output.

17 1,410,000,000 bytes is the same as ... gigabytes.

18 To protect data, a user must input a ... each time to log on.

19 A ... is a collection of two or more computers that are connected to each other allowing them to ... resources.

20 The two main categories of software are ... and ...

21 ... is making data unreadable during transmission over a network.

22 E-commerce means doing business using ...

23 A computer program that aids a computer user to complete a task is called ...

24 A network system designed and created to cover only an individual's digital devices in a home is called ...

25 A computer system does not understand human readable language but understands ... only.

26 A ... is a storage on medium which ... is read using light.

27 A program stored in ... of the computer directs the computer to ... each time the computer is switched on.

28 The two examples of operating system interface are the ... and ...

29 To re-visit a webpage recently viewed the ... button is used.

30 ... is the pressing of a mouse button twice in rapid succession.
**SECTION C [25 MARKS]**

There are four (4) questions in this section.
Answer all the questions in the Answer Booklet provided.

31 Study the diagram of a spreadsheet below.

<table>
<thead>
<tr>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
<th>e</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Name part A.</td>
<td>(b) State <strong>two</strong> types of data that can be entered in a cell labelled B.</td>
<td>(c) When can part C be used?</td>
<td>(d) What is the use of part D?</td>
<td>(e) What is the function of the button indicated by letter E?</td>
</tr>
</tbody>
</table>

[1] [2] [2] [1] [1]
32 A Computer represents data as binary digits.
(a) What are binary digits? 
(b) How many binary digits (bits) make one byte? 
(c) Name two places where analogue computers are mostly used. 
(d) Name two household appliances which are digital in nature. 

33 Kima Secondary School wants to produce a school magazine.
(a) State two input devices that the school should use to capture photographs in digital format. 
(b) Name the best application software that can be used to make the school magazine. 
(c) What type of printer could be used to print the school magazine? 
(d) Give one advantage and one disadvantage of using a computer system to produce a magazine. 

34 (a) Why is a microphone unlikely to cause repetitive strain injury? 
(b) Give two situations where speech recognition systems can be used. 
(c) What application software can make musical instruments work with a computer?
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