

SUNRISE EVALUATION EXAM F1 -2021

Name.....Adm. No.....

DateStudent's Signature.....

451
COMPUTER STUDIES
PAPER
(THEORY)
TIME: 2 ½ HRS

FORM 1 2021

Kenya Certificate of Secondary Education (K.C.S.E)

Instructions to candidates

This paper consists of TWO sections, A and B
Answer all questions in sections A and B

FOR EXAMINERS USE ONLY

SECTION	QUESTION	SCORE
A	1 – 15	
B	16	
	17	
	18	
	19	
	20	
TOTAL MARKS		

This paper consists of 8 printed pages.

Candidates should check to ensure that all pages are printed as indicated and no question is missing.

SECTION A (40 MARKS)

1. What is a peripheral device? (2 marks)

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2. Define the term program (2 marks)

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3. State **three** functions of the Central Processing Unit. (3 marks)

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4. List the two forms of Data and give a brief explanation of each. (2 mks)

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5. James is a scientist. He uses speech method to enter her observations for an experiment into a computer.

- a) Define an input Device. (1 mark)

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b) Give an example of an Input device. (1 mark)

6. a) What is the meaning of a “data processing?” (1 mark)

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b) Differentiate between data and Information. (2 marks)

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7. a.) Define the term microcomputers. (1 mark)

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b) Give **four** examples of Microcomputers. (2 marks)

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8. Explain **three** Differences between Data and Information. (3 marks)

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9. Classify the following keyboard characters.

a) A, B, C.....Z.....(½ marks)

b) O, 1, 2, 3.....9.....(½ marks)

c) F1.....F12.....(½ marks)

d) Page up, Arrow keys, End, Home.....($\frac{1}{2}$ marks)

e) Ctrl, Shift, Alt.....($\frac{1}{2}$ marks)

f) Del, Insert.....($\frac{1}{2}$ marks)

10. i) List **Four** salient features of a computer. **(2 marks)**

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ii) Explain the meaning of the word Diligence in relation to computers. **(1 mark)**

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11. List Three components found inside the System Unit.

i) **(1 mark)**

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ii) **(1 mark)**

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iii). **(1 mark)**

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12. Name the Three factors that are used to classify computers.

i) **(1 mark)**

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ii) **(1 mark)**

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iii).

(1 mark)

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13. List and give the functions of computer buses.

i)

(1 mark)

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ii)

(1 mark)

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iii).

(1 mark)

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14. Write the sequence of computers in descending order according to their physical size and processing power.

(2 marks)

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15. Name three examples of Desktop Computers?

(3 marks)

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SECTION B. Answer question 16 and any other three questions

16. a) Define the terms below.

i) Embedded Computer

(1 mark)

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ii) Artificial Intelligence

(1mark)

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iii) Dedicated Computer

(1mark)

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b) Draw a well labeled diagram of a computer outlining the physical parts.

(5 marks)

c) Draw a T-Table that outlines any five differences between a computer and a calculator. **(5marks)**

d) What type of data does a hybrid computer process? **(2 marks)**

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17. a) Distinguish between the following terms.

i) Computer. **(2 marks)**

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ii) Computer System. **(2 marks)**

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b) List the Advantages of using computers. **(6 marks)**

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c) Give Five reasons why a mobile phone is also referred to as a computer. **(5 marks)**

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18. a) Briefly describe each of the following mouse operations.

i) Clicking (2 marks)

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ii) Double Clicking (2 marks)

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iii) Right Clicking (2 marks)

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d) Define a Keyboard. (1 mark)

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c) List any four types of keyboards. (4marks)

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d) Name four type of ports found at the back of a System Unit. (4marks)

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19. a) Differentiate the two types of system unit below:

i) Tower type System unit (2 marks)

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ii) Desktop System unit (2 marks)

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b) Explain four measures that protect computers in the computer Laboratory. (4 marks)

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c) Explain Three measures that protect the user in the computer Laboratory. (3 marks)

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d) Explain the effect of information technology in:

i) Employment (2 marks)

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ii) Environment. (2 marks)

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20. a) The largest most powerful computer is called(1mark)

b) Explain the following communication devices

i) Palmtop Computers (2 marks)

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ii) P.C. (2 marks)

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c) The speed of a computer is measured in(2 marks)

d) Name the three key terms that define a computer. (3 marks)

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e) Write the following acronyms in full.

i. POST.....(1 mark)

ii. BIOS.....(1 mark)

iii. CMOS.....(1 mark)

iv. PDA.....(1 mark)

v CPU.....(1 mark)