

NAME: ..... ADM NO: .....

CANDIDATES SIGNATURE: ..... DATE: .....

451/1

KCSE COMPUTER STUDIES PAPER 1

Theory

JANUARY-2017

Time: 2 HOURS

**FOCUS A365**

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## **ST. CLARE GIRLS HIGH SCHOOL - GATUNDU**

*Kenya certificate of secondary education (K.C.S.E)*

### **Instructions to candidates.**

- Write your name and index number in the spaces provided above.
- Sign and write the examination date.
- Answer all the questions in the spaces provided in the question paper.
- Write your answers in English
- Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

<b>Candidate's score</b>	<b>Maximum score</b>
	<b>70</b>
<b>Teacher's Comment:</b>	

*This paper consists 7 of printed pages*

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

- 1 a) Describe the term computer 1 mk
- 2 Define the following terms in relation to computers
- a) Information 1 mk
- b) Data 1 mk
- 3 Write the following acronyms in full:
- a) UPS 1 mk
- b) PSU 1 mk
- c) VDU 1 mk
- 4 List the **four** major parts of a computer and their functions 8 mks

- 5 Distinguish between:
- a) Super computers and mini computer 2 mks
  
  - b) Digital computers and analogue computers 2 mks
  
  - c) Hybrid computers and dedicated computers 2 mks
  
  - d) Main frames and micro computers 2 mks
  
  - e) Special purpose computers and general purpose computers 2 mks
- 6 What is the main purpose of a computer? 1 mk

7 State **three** functions of a computer

3 mks

8 State **five** areas where computers are used and how they are used

10 mks

- 9 List **three** stages involved in transforming data into information 3 mks
- 10 State any **three** differences between *third generation* computers and *fourth generation computers*. 3 mks
- 11 State **two** differences between desktop and laptop computers 2 mks
- 12 List any **four** advantages of computers 4 mks
- 13 Briefly explain **two** similarities and **two** differences between human beings and computer systems 4 mks

- 14 Why is it advisable to install gaseous fire extinguishers in the computer lab other than water or powder extinguishers? 1 mk
- 15 State the uses of the following keys on the keyboard
- a) Return key (enter) 1 mk
  - b) Backspace key 1 mk
  - c) Delete key 1 mk
  - e) Caps lock 1 mk
  - f) Num lock 1 mk
- 16 Describe the following terms in relation to the usage of a computer mouse
- a) Scrolling 1 mk

- b) Clicking 1 mk
- c) Drag and Drop 1 mk
- 17 State **three** safety precautions that should be observed in the computer Laboratory to avoid users from physically damaging computers 3 mks
- 18 Describe any **two** practices that can cause fire in the computer laboratory 2 mks
- 19 Mokeira went into a computer shop to purchase a desktop computer. Underline from the list below **two** features she should *not necessarily* consider before purchasing it. 2 mks
- a) Processor speed
  - b) Colour
  - c) Memory capacity
  - d) Storage capacity
  - e) Multimedia capabilities
  - f) Price
  - g) Warranty
  - h) Shape