**FORM 3**

**NAME…………………………………………………………………CLS…….ADMNO……**

# COMPUTER STUDIES HOLIDAY ASSIGNMENT

1. List the 4 components that make up computer hardware. (2 marks)

2. Nyanchama a form 2 student asked her teacher to expound on the two technologies used to connect Drives on to the mother board. Explain the two answers the teacher gave. (4 marks)

3. Database organizes data in various formats called **database models**. Describe the following models:

a) Hierarchical

b) Relational (4 marks)

4. one way of enhancing data accuracy during entry is the use of devices that capture data directly from the source. Explain how the following scanner conforms to the statement.

a) OCR

b) OBR (4 marks)

5. List 4 applications of electronic spreadsheet in the society today. (2 marks)

6. Give the function of the following special PC memories

a) Buffers

b) Cache ( 4 marks)

7. Belinda visited a computer shop and noted stickers (labels) on desktop and laptop computers with the following information;

* *Intel core-i 3*
* *3.0 GHz*
* *Windows 10 ®*
* *4 GB RAM*
* *500GB SATA HDD*

1. Identify the : ***processor speed; primary storage; type o f OS and the type of processor***

(2 marks

8. Mokeira was told that desktop computer with the same features as a laptop would be cheaper. Explain (give 4 reasons). (2 marks)

9. Give 3 advantages of DBMS (Database Management System) compared to traditional databases (3 marks)

10. Explain 3 categories of external documentations involved during system development. (3 marks)

11. Identify the type of errors depicted by information below: (3 marks)

* S899 instead of 5899
* 696 instead of 969
* 12.3 instead of 12.3333333

1. For a computer user to operate a computer effectively, he/she needs to have two categories of software installed in their computers. Discuss application and system software. (2 marks)
2. Kibet is a database operator in KBBM Co. He was called to advice the ICT manager on data safety and controls **List four** possible causes of loss of programs and data you think Kibet would have put into considerations when giving solutions. (2 marks)
3. List 4 uses of a digital computer in police service units (2 marks)
4. John noted that after developing a software /system for his school, he was in several occasions called to check on its progress. Explain any **three types of maintenance** you think John would have worked upon (3 marks)