**FORM ONE TERM 2 2015 END OF THE TERM COMPUTER STUDIES EXAMS TIME: 2HRS**  **Answer all the questions** 1. What is a computer? (1mk) 2. State any three differences between a micro-computer and a mainframe (3mks) 3. Distinguish between the hardware and software components of a computer giving an example of each (4mks) 4. State any three advantages of a computer (3mks) 5. Give two types of storage devices in a computer giving an example of each (4mks) 6. Give any three precautionary measures considered to ensure the safety of computers in a computer laboratory (3mks) 7. State two methods of minimizing dust in a computer laboratory (2mks) 8. Differentiate between primary memory and secondary memory (2mks) 9. State what is meant by each of the following and give an example of where each is used a. Magnetic Ink Character Recognition (MICR) (2mks) b. Optical Mark READER (OMR) (2mks) 10. Distinguish between system and application software (2mks) 11. Name the three types of buses in a computer system (3mks) 12. State three precautions that should be taken to ensure that diskettes are well stored (3mks) 13. List four types of keys found on a computer keyboard . Give an example of each (4mks) 14. List three differences between a laser printer and a dot matrix printer (3mks) 15. Give two examples of utility software? (2mks) 16. A school has bought a computer system . The hardware items supplied include: A 2.20 GHZ processor, 4.00 GB RAM, a sound card, speakers, a monitor, a keyboard, a 500 GB hard disk,a CD Read/Write, a mouse,a modem,an inkjet printer and a joystick. The software supplied include: an operating system, BASIC interpreter and the following packages: spreadsheets, graphics,word processor, art, database and games . a. List three input devices from the given specifications (3mks) b. Explain the meaning of the following: 2.20 GHz (2mks) 4.00 GHz (2mks) 500 GB (2mks) c. Some of the students in the school use the computer to do homework . Name the packages used to: Do calculations and draw graphs (1mk) Write an essay (1mk) Make a poster (1mk) d. Students enjoy playing noisy computer games Which two hardware items are needed to produce sound ? (2mks) Which input device is only used for playing games? (1mk) 17. Explain five factors to be considered when purchasing a computer (10mks)