END OF TERM 3 2016 EXAM

COMPUTER STUDIES FORM 1

Answer all questions in the spaces provided

1. Define the following terms: (3mks)
2. Computer systems
3. Operating systems
4. Computer
5. What are peripheral devices? (1mk)

b. give four examples of peripheral devices (2mks)

1. Differentiate between keying devices and pointing devices and give an example in each case (3mks)
2. State five resources that are controlled by the operating system (5mks)
3. Explain the function of the following disk management operation: (4mks)
4. Disk formatting
5. Disk compression
6. Disk defragmentation
7. Disk partitioning
8. Rugumu secondary school wants to set up a computer lab. State four requirements that the head teacher should consider before setting the lab? (4mks)
9. Identify two categories of scanning devices? (2mks)

b. in each category give two examples (2mks)

1. Distinguish between portability in hardware and portability in software (2mks)
2. A student in Muvandori secondary school bought a laptop and wanted to install some software in it. State six factor that he is supposed to consider before when buying the soft ware (3mks)
3. Differentiate between a file and a folder? (2mks)

b. state three examples of files that can be found in the computer (3mks)

1. Give three advantages of each of the following: (6mks)
2. Command line based operating system
3. Graphical user interface operating system
4. Identify three differences between serial cables and parallel cables? (6mk)
5. Explain what happens when the following keys on the keyboard are pressed? (5mks)
6. Caps lock
7. Backspace
8. Enter
9. Space bar
10. Tab
11. Control unit is one of the functional elements of the central processing unit. State three functions that it performs in the CPU? (3MKS)

B. name the other functional elements of CPU (2MKS)

1. A two sided hard disk is made up of four platters, each platter has five sector of 8 tracks, if each track with a sector has a capacity of 250MB, find the total capacity of the whole hard disk in GB. (4MKS)
2. State two advantages of disk partitioning (2mks)
3. Identify and briefly explain any three function of operating system (6mks)
4. Distinguish between softcopy and hardcopy output (2mks)
5. The following are some of the labels that one can get on a compact disk, write the abbreviation in full and briefly explain that type if the disk. (4MKS)
6. CD-R
7. CD-RW
8. CD-ROM
9. DVD
10. With a well labeled diagram illustrate how OS organizes information. (4mks)