

General Knowledge Assignment 2

1. Provide a definition and 2 examples for each of the components of a computer system in the diagram (10 marks)
2. Describe the interaction between the following pairs: (2 marks)
CPU : Memory
Keyboard : Screen
3. Expand the following acronyms. (8 marks)
CPU, VDU, CTRL, CRT, ROM, HD, FD, CD-ROM
4. Describe the technology used in RAM and HD including their advantages, disadvantages. (3 marks)
5. Describe the following electrical power problems and give an example of at least one potential cause. (8 marks)
Spike, surge, brown-out, black-out.
6. Describe the difference between a disk based and chip based OS, covering at least (speed, change, storage) (6 marks)
7. Recommend at least 2 solutions for electrical problem relating to brown-outs. (2 marks)
8. Sketch a diagram of the ports on a computer case and describe the devices connected to these ports.
9. List and give a short description of the four major functions of an OS