**STEPHJOY HIGH SCHOOL**

**COMPUTER STUDIES FORM ONE MARCH/APRIL 2022 ASSIGNMENT**

NAME………………………………………………………………………………………………………………………..CLASS……………..

1. Define the term ‘Operating system’ (2mks)

2. List and explain four functions of the operating system (8mks)

3. Explain what is meant by system *Interrupt*? (2mks)

4. Differentiate between *scheduling* and *sequencing of tasks* by the operating system (4mks)

5. Give three ways in which operating systems are classified. (3mks)

6. Explain the following types of operating systems:

1. Single-user / Single-tasking (2mks)
2. Multi-user / Multi-tasking (2mks)

7. What is a *Deadlock* in reference to operating systems? (2mks)

List five factors to consider when selecting an operating system (5mks)

8.Explain the following software terms: (3mks)

1. Authenticity.
2. Portability.
3. Modularity.

9.Describe the following categories of software: (2mks)

* 1. Firmware.
  2. Proprietary software.

10.Define the following terms: (3mks)

* 1. Port.
  2. Data interface cable.
  3. Power cable.

(b) State the function of the Power supply unit found in the System unit. (1mrk)

11.(a)Name any *two* peripheral devices that are connected to the computer through the PS/2 port. (1mrk)

(b) Give two major advantages of a USB interface cable over other cables in the computer. (2mks)

(c) Explain two differences between Serial (COM) and Parallel (LPT) communication ports of a computer. (2mks)