# Operating System and System Administration IT2060
**Worksheet 2**

**Department of Information Technology, Faculty of Computing**

1.  One purpose of the operating system is to simulate features that are not available in hardware. Give two such features simulated by operating system.

2.  Compare and contrast symmetric multiprocessing and asymmetric multiprocessing systems.

3.  Describe the multiprogramming systems. Is multiprogramming possible without timer interrupt? Justify your answer.

4.  Describe why a microkernel provides a good portability, good reliability and a good system security.

5.  Briefly explain the interrupt handling procedure of the operating system.

6.  List the main advantages of the cloud computing.

7.  To a programmer, a system call looks like any other call to a library procedure. Is it important that a programmer know which library procedures result in system calls? Under what circumstances and why?