**Unit 4.1 & 4.2 : Processor Fundamentals / Assembly Language.**

**(Week 8: Weekly Test )**

1 One of the roles of an operating system is to deal with interrupts.

(a) Explain the term interrupt. [1 mark]

(b) Identify three devices that make use of interrupts. [3 mark]

Device 1 :

Device 2 :

Device 3 :

2 (a) Give two reasons why a programmer would choose to write code in a low-level language. [4 mark]

(b) Write an assembly language instruction to:

i) compare the accumulator with 5 [1 mark]

ii) jump to address 100 if the comparison is true. [1 mark]