



Course Title:	Microprocessors	Date:	12/03/2019
Course No:	0630313	Time Allowed:	10 minutes
Lecturer:	Dr. Qadri Hamarsheh	No. Of Pages:	1

Information for candidates

1. This Quiz paper contains 1 question totaling 5 marks
2. The marks for parts of question are shown in round brackets.

Advices to candidates

1. You should attempt all sub questions.
2. You should write your answers clearly.

Question 1 Multiple Choice**(5 marks)**

Identify the choice that best completes the statement or answers the question

- 1) A **20-bit address bus** allows access to a memory of capacity
 - a) 1 MB
 - b) 32MB
 - c) 2 MB
 - d) 64 MB
- 2) **Pipelining** improves CPU performance due to
 - a) reduced memory access time
 - b) the introduction of parallelism
 - c) increased clock speed
 - d) additional functional units
- 3) In the Intel architecture, there are actually several buses connecting the CPU to the rest of the computer.

Which of the following is **not such a bus**?

- a) The control bus
 - b) The logic bus
 - c) The data bus
 - d) The address bus
- 4) Which flags are NOT used for mathematical operations?
 - a) Carry, Interrupt and Trap flag
 - b) Direction, Interrupt and Sign flag
 - c) Direction, Overflow and Trap flag
 - d) Direction, Interrupt and Trap flag
 - 5) If CS = 020AH, SS = 0801H, SI = 0100H and IP = 1BCDH the address of the next instruction is:
 - a) 03C6D
 - b) 03C70
 - c) 03D5D
 - d) None of the above

GOOD LUCK