Computer Architecture and Organization NAME:Laodinio, Apple Sheryl C	
Multiple Choice: Choose the best answer from the list given, write down the letter of your an lowercase letters.	iswer. Use
a. First statement is true, second statement is trueb. First statement is false, second statement is truec. First statement is true, second statement is falsed. First statement is false, second statement is false	
 The instruction set contains one type of instruction that transfers information to an I/O devident another to read information from an I/O device (IN). Instructions (INS and OUTS, found of except the 8086/8088) are also provided to transfer strings of data between the memory and Answer: a The 16-bit I/O address in CX is called a variable address because it is stored in a DX and then use 	n all versions an I/O device.
the I/O device. Other instructions that use DX to address I/O are the INS and OUTS instructions.	Answer: b
3. In the memory-mapped I/O scheme, any instruction that references memory can accomplish the Both isolated and memory-mapped I/O are in use Answer: a	e transfer.
4. The most common I/O transfer technique used in the Intel microprocessor-based system is isol term isolated describes how the I/O locations are isolated from the memory system in a address space. Answer: a	•
5. The signals indicate that an I/O port address which appears on the address bus, is used to sel device. In the personal computer isolated I/O ports are used for controlling peripheral devices.	
6. A memory-mapped I/O device is treated as a memory location in the memory map. The main of memory-mapped I/O is that any memory transfer instruction can be used to access the I/O	_

Answer: a

- 7. The main disadvantage is that a portion of the memory system is used as the I/O map. Another advantage is that the and signals have no function in a memory mapped I/O system and may reduce the amount of circuitry required for decoding. Answer: a
- 8. Input or output devices that are connected to computer are called peripheral devices. These devices are designed to read information into or out of the memory unit upon command from the CPU and are considered to be the part of computer system. Answer: a
- 9. Peripherals connected to a computer need special communication links for interfacing with CPU. In computer

system, there are special hardware components between the CPU and peripherals to control or manage the input-output transfers. Answer: a

10. The strobe pulse and handshaking method of asynchronous data transfer are restricted to I/O transfer. In fact, they are used extensively on numerous occasions requiring transfer of data between two independents Answer: b