

Peripheral Devices

MODULE TEST

You may wish to review the exercises or audio-visual material before taking this module test. Once you begin the test, do not refer to the course materials.

There are eight questions.

1. Match each of these peripheral devices with its function.

Device	Function
Peripheral	_____
Sequential Access	_____
Random Access	_____
On-Line	_____
Off-Line	_____

Functions

- a. A device that operates by exchanging information with the mainframe.
- b. A device in which information can be read or written directly without scanning all information that comes before the desired area.
- c. A functional unit of a computer system that performs input, output, or auxiliary storage and is not part of the mainframe.
- d. A device that operates independently from the mainframe.
- e. A device in which information is read from or written onto the medium in an ordered line.

2. Match each of these peripheral device parts with its function.

Device Part	Function
Medium	_____
Drive Mechanism	_____
Control Circuit	_____

Functions

- a. Oversees the transfer of data into the computer mainframe.
- b. Physically moves the medium.
- c. Physically holds information.

3. Indicate whether each of the following machine-oriented I/O devices functions as an input (I), an output (O), or both an input and output (B) device by writing the correct letter in the space provided.

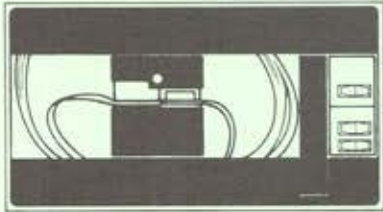
Device	Function(s)
Magnetic Disk Unit	_____
Paper Tape Reader	_____
Data Communication Unit	_____
Card Punch	_____
Floppy Disk Unit	_____
Analog to Digital Converters	_____
Paper Tape Punch	_____
Magnetic Tape Unit	_____
Card Reader	_____
Tape Cartridge and Cassette	_____

4. Each of the following statements describes or compares various machine-oriented I/O media. Indicate whether each statement is true (T) or false (F) by writing the correct letter in the space provided.

Statement	T or F
Magnetic tape is more expensive than magnetic disks.	_____
Both punched cards and floppy disks are low cost media.	_____
In general, magnetic disks can store twice as much as magnetic tapes.	_____
A deck of punched cards may be accessed either sequentially or directly.	_____
Disks are direct-access media.	_____
Punched cards and paper tape have the slowest access rate.	_____
Punched cards and paper tape are the only human-readable media.	_____
Magnetic tapes may be rewritten whereas magnetic disks cannot.	_____
Magnetic tapes require less storage space than punched tape.	_____
In general, tapes are sequential-access media.	_____

5. Six drawings of machine-oriented and people-oriented input/output devices and six device names are given below. Match each drawing with its corresponding device name by writing the correct letter in the space provided.

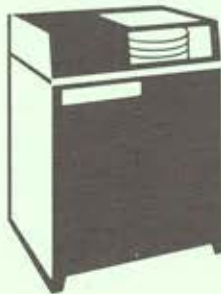
a.



b.



c.



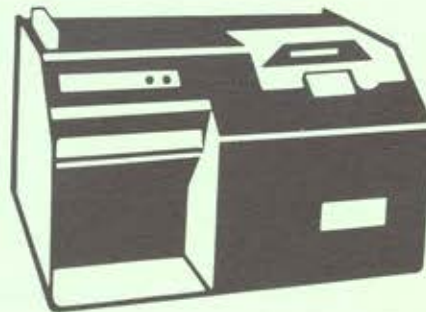
d.



e.



f.



Device

Picture

Line Printer

Card Reader

Display Terminal

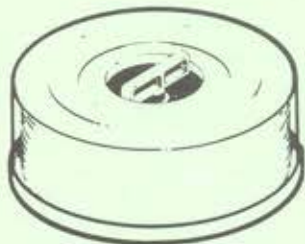
Disk Unit

Paper Tape Reader/Punch

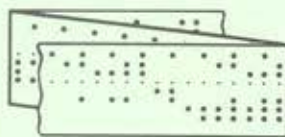
Teleprinter

6. Match the two media pictured below with the names of their corresponding devices.

a.



b.



Paper Tape Reader/Punch

Disk Unit

Magnetic Tape Unit

7. Each of the following statements describes or compares people-oriented I/O devices. Indicate whether each statement is true (T) or false (F) by writing the correct letter in the space provided.

Statement	T or F
Teleprinters and display terminals can both input and output.	_____
Teleprinters, display terminals, and line printers can operate either on-line or off-line.	_____
Line printers produce hard copy output whereas most display terminals do not.	_____
Teleprinters are faster and quieter in operation than display terminals.	_____
Teleprinters, display terminals, and line printers may input via keyboard.	_____
In general, line printers and teleprinters can output at the same speed.	_____
Most teleprinters can output either hard or soft copy.	_____

8. The table below is concerned with auxiliary storage devices and their characteristics. Complete the table by writing the correct letters in the spaces provided.

Characteristic	Moving Head Disk	Fixed Head Disk	Magnetic Tapes
Data Transfer Time	_____	_____	_____
Storage Capacity	_____	_____	_____
Cost per Bit	_____	_____	_____

Data Transfer Time

- a. Slowest
- b. Fastest
- c. Medium

Storage Capacity

- d. Medium
- e. Least
- f. Most

Cost per Bit

- g. High
- h. Lowest
- i. Medium