

# Terms and Conventions

## 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 material.

There are ten questions.

1. The three basic units of computer information are listed below. Write an A next to the smallest unit, a B next to the next larger unit, and a C next to the largest unit of computer information.

Basic Unit	Size
Word	_____
Bit	_____
Byte	_____

2. Circle the letter of the answer that specifies the correct size of a *byte*.
  - a. One-half of a word
  - b. One-quarter of a word
  - c. 6 bits long
  - d. 8 bits long
  - e. All of the above
  - f. Two of the above

3. Match each memory term with its definition.

Memory Term		Definition
a. Memory address	_____	Used for storage of one word (or byte) of information.
b. Memory contents	_____	Changes when information is stored; does not change when information is retrieved.
c. Memory location	_____	Specifies a particular place in memory that can never change.

4. Circle the letter of the one example that is the correct format for a single memory location with an address of 5000 and contents of 32.

a.  32    5000

c. 32     5000

b. 5000     32

d.  5000    32

5. The *approximate* number of individual locations in a 72K memory is \_\_\_\_\_

6. The *exact* number of individual locations in a 16K memory is \_\_\_\_\_

7. Circle the letter of the correct pair of abbreviations for each of these terms.

**Nanosecond**

- a. NSEC or NANOSEC
- b. NS or NSEC
- c. NS or NANOSEC
- d. NASEC or NANSEC

**Millisecond**

- a. MS or MSEC
- b. NS or KSEC
- c. KSEC or MILSEC
- d. MSEC or MILSEC

**Microsecond**

- a. MSEC or MICROSEC
- b. MSEC or MS
- c.  $\mu$ S or MICROSEC
- d.  $\mu$ S or KSEC

8. The equivalent fraction of a second for 800 nanoseconds is \_\_\_\_\_

9. Five symbols and ten functions are listed below. Match each symbol with its function.

Symbol	Function
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$\geq$

\_\_\_\_\_

:

\_\_\_\_\_

=

\_\_\_\_\_

<

\_\_\_\_\_

$\uparrow$

\_\_\_\_\_

- a. Less than
- b. Less than or equal to
- c. Raise to the power of
- d. Find the square
- e. Multiply

- f. Divide by
- g. Greater than
- h. Greater than or equal to
- i. Compare
- j. Equal to

10. Indicate which of the following symbols represents the expression stated by circling the correct letter.

**X raised to the 12th power**

- a.  $X : 12$
- b.  $X \uparrow 12$
- c.  $X ** 12$
- d. Both a and b
- e. Both b and c

**R times X**

- a.  $R ** X$
- b.  $R : X$
- c.  $R * X$
- d.  $R (x) X$
- e. None of the above

**A is greater than 126**

- a.  $A \geq 126$
- b.  $A > 126$
- c.  $A \rightarrow 126$
- d.  $A : 126$
- e. None of the above

**A is less than or equal to B**

- a.  $A \leftarrow B$
- b.  $A \downarrow = B$
- c.  $A \leq B$
- d. Two of the above
- e. None of the above

**15 is not equal to Y**

- a.  $15 < Y$
- b.  $15 > Y$
- c.  $15 \text{ not} = Y$
- d.  $15 \geq Y$
- e. None of the above