



on Characters

Instructions: For each question, choose the single best answer. Make your choice by clicking on its button. You can change your answers at any time. When the quiz is graded, the correct answers will appear in the box after each question.

1. How many bits are in a **byte** on most computers?

- ☐ A. 2
- ☐ B. 4
- ☐ C. 6
- ☒ D. 8

D

2. About how much data does one byte correspond to?

- ☒ A. One character.
- ☐ B. One floating point number.
- ☐ C. One machine instruction.
- ☐ D. One signal.

A

3. What is the NUL byte?

- ☒ A. a byte that contains all zeros.
- ☐ B. a byte that contains all ones.
- ☐ C. a byte that contains no bits.

- ☐ D. a byte that contains any illegal pattern.

A

4. What is a **control character**?

- ☐ A. A byte pattern that corresponds to any non-alphabetic and non-digit character.
- ☐ B. The signal that shifts the carriage from lower case to upper case.
- ☒ C. A byte pattern that originally was intended to ask for a mechanical action of an output device.
- ☐ D. Any character that takes up more than one byte.

C

5. What is a teletype machine?

- ☐ A. An early model of personal computer.
- ☐ B. An early type of printer that punched holes instead of using ink.
- ☒ C. A mechanical device used to send and receive printed text across telegraph lines.
- ☐ D. An early adding machine that used mechanical parts rather than electronics.

C

6. What is the name of the convention that says how bit patterns are used to represent characters.?

- ☐ A. DOS
- ☒ B. ASCII
- ☐ C. HTML
- ☐ D. AIISC

B

7. If characters are arranged in numeric order, what is the first printable character?

- ☐ A. A
- ☐ B. 0
- ☐ C. @
- ☒ D. space

8. What type of file that contains only bytes that correspond to printable characters and a small number of control characters?

- ☒ A. text file
- ☐ B. type file
- ☐ C. control file
- ☐ D. word file

9. What do people sometimes call a file that contains bytes that can potentially hold any bit pattern?

- ☐ A. text file
- ☐ B. data file
- ☒ C. binary file
- ☐ D. ASCII file

10. How many patterns can be made out of eight bits?

- ☐ A. 8
- ☐ B. 128
- ☒ C. 256

☐ **D.** 1024

C

grade quiz

The number you got right:

10

Percent Correct:

100

Letter Grade:

A



If you have returned here from another page, or have re-loaded this page, you will need to click again on each of your choices for the grading program to work correctly. You may want to press the SHIFT KEY while clicking to clear the old answers.