

K201 - Quiz 1D  
9/10/81

Each of the following questions counts 2 points.

1. ALU is a part of CPU. Name two other functional units which belong to CPU:  
\_\_\_\_\_
2. A memory register that will store only one character is called a \_\_\_\_\_.
3. Each machine language instruction is composed of two parts. They are:  
\_\_\_\_\_
4. When a program is translated into a machine language, each variable name is associated with a specific \_\_\_\_\_ in the computer memory.
5. What is the maximum number of characters that can be recorded on a single card? \_\_\_\_\_
6. The arrangement of the card data fields in a particular application is called the \_\_\_\_\_.
7. Identify the mode (or explain what is wrong if incorrect) of each of the following numbers:
  - a) 1000000.00+
  - b) 0,000271
8. Each of the following are considered to be a FORTRAN variable. If any of them is valid, indicate the mode, otherwise explain why it is not valid.
  - a) SUMARUM
  - b) G000!
9. Perform the following calculations using the FORTRAN rules of arithmetic.
  - a)  $(2-7/3)/5 =$
  - b) Let  $A=2.5$ ,  $B=1.5$ ,  $C=3$ .  
 $C*(A+2.*B)/(A-B) =$
10. Indicate the errors, if any, in the following FORTRAN expressions.
  - a)  $(A-(B+(C-D*(3*E-C)))-5.D)$
  - b)  $(I-27)**2-(K/L+1)**3(N-1)$