

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:
MEMORY, CONTROL UNIT
2. A memory register that will store only one character is called a BYTE.
3. Each machine language instruction is composed of two parts. They are:
OPERATION CODE, ADDRESS
4. When a program is translated into a machine language, each variable name is associated with a specific REGISTER in the computer memory.
(or ADDRESS)
5. What is the maximum number of characters that can be recorded on a single card? 80
6. The arrangement of the card data fields in a particular application is called the CARD LAYOUT.
7. Identify the mode (or explain what is wrong if incorrect) of each of the following numbers:
 - a) 1000000.00 SIGN ON THE RIGHT NOT ALLOWED
 - b) 0,000271 DECIMAL COMMAS NOT ALLOWED
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 TOO MANY CHARACTERS
 - b) G0000! SPECIAL CHARACTER NOT ALLOWED
9. Perform the following calculations using the FORTRAN rules of arithmetic.
 - a) $(2-7/3)/5 = 0$
 - b) Let $A=2.5$, $B=1.5$, $C=3$.
 $C*(A+2.*B)/(A-B) = 16.5$
10. Indicate the errors, if any, in the following FORTRAN expressions.
 - a) $(A-(B+(C-D*(3*E-C)))-5.D)$
 \downarrow OPERATION (*) NOT SPECIFIED
 \downarrow D.P. MISSING
 - b) $(I-27)**2-(K/L+1)**3(N-1)$
 \uparrow OPERATION (*) NOT SPECIFIED