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K201 - Quiz 1C

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. In a memory, each register is identified by a number, called its ADDRESS.
- 3. Instruction which cause the computer to execute an instruction other than next in a sequence is called a BRANCHING instruction.
- 4. Before it is executed the object program must be LOADED into the computer memory.
- 5. The convention that associates a unique combination of punches with each character is called the punch card CODING SCHEME
- 6. There are (how many) 12 rows and (how many) 80 columns in a punched card.
- 7. Identify the mode (or explain what is wrong if incorrect) of each of the following numbers:
 - a) -135 INTEGER
 - b) 25337.05
- 8. Each of the following are considered to be a FØRTRAN variable. If any of them is valid, indicate the mode, otherwise explain why it is not valid:
 - a) K201 INTEGER
 - b) BUDGAT DECIMAL
- 9. Perform the following calculations using the FØRTRAN rules of arithmetic:
 - a) (8-1/2)/3 = 2
 - b) Let A=2.5, B=0.5, C=5. C*(A-2.*B)/(A-B) 3.75
- 10. Indicate the errors, if any, in the following FØRTRAN expressions:
 - a) (7*MEMO/(HOUR-2))**2 MIXED MODE
 - b) (A-(B*C**2)/-3.3)**3 TWO SUBSEQUENT OPERATIONS