

A 7. Which of the following statements contain an error?

- a. DØ 26 I=J,K,X
- b. IF(X+2..EQ.Y-2.) GØ TØ 20
- c. DØ 30 J=1,LAX
- d. DØ 40 M=20,45,11
- e. none of the above

A 8. Debugging is

- a. the process of detecting and correcting errors in your program.
- b. the process of translating a FORTRAN program into a machine language program.
- c. defining the data that a FORTRAN program can use.
- d. the method used to collect the data that will be used by your program.
- e. none of the above.

C 9. The format specification used to print the variable TØT whose value is 44226.1 is F7.2. What kind of output will be printed for this specific data field?

- a. 44226.10
- b. XXXXXXX
- c. *****
- d. IIIIIII

A 10. Diagnostic error messages provided by the compiler

- a. result from FORTRAN syntax errors that make it impossible to translate the program into a workable computer program.
- b. result when the network of decisions in the program does not properly isolate the conditions that may arise.
- c. indicate that test data should be used to find the source of the error.
- d. result from a mistake in the deductive reasoning process used to design the program.

The following question is worth 8 points.

11. Consider the array ALPHA dimensioned with 7 elements:

ALPHA:

-2.7	-10.0	6.5	8.2	-4.4	1.0	7.7
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- a. What statement is necessary to reserve memory space in the computer for the array ALPHA?

DIMENSION ALPHA (7) 3pts.

- b. If L=3, specify the value of each of the following array elements:

1) ALPHA(L) = 6.5

2) ALPHA(L+5) = undefined

3) ALPHA(2*L-1) = -4.4

4) ALPHA(6-L) = not allowed

1.5 pts each
(round up)