

The following questions are worth 3 points each.

A 1. Diagnostic error messages provided by the compiler

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

B 2. 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?

- IIIIIII
- \*\*\*\*\*
- 44226.10
- XXXXXXX

D 3. Debugging is

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

C 4. Which of the following statements contain an error?

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

C 5. The STØP statement

- indicates to the compiler that the entire program has been read and that translation may proceed.
- must come at the physical end of each program.
- causes the computer to terminate running the current program and allows it to proceed to the next program.
- is a nonexecutable statement.
- is all of the above.

E 6. The documentation package for a computer program should include

- a description of the input and output files.
- a flowchart and a program listing.
- the variable names used in the program and a copy of the test data used with the results.
- instruction on how to run or use the program and a description of what the program does.
- all of the above.