OLABISI ONABANJO UNIVERSITY, AGO-IWOYE
FACULTY OF EDUCATION
DEPARTMENT OF EDUCATIONAL FOUNDATION AND MANAGEMENT
2013/2014 RAIN SEMESTER EXAMINATION
BSE 206 – SCIENTIFIC PROGRAMMING

Instruction(s): Attempt any FOUR questions   *Time Allowed: 1.30mins*

1a.   What are programming languages? Give five examples.

b.   Differentiate between Machine Language and Assembly Language

c.   Write a program to compute the variance of a set of numbers.

2a.   Define Translator and explain any three examples.

b.   List and explain the four different types of errors.

c.   What is a variable? Discuss any three types of variables (with examples)

3a.   Draw a flowchart to print the squares of numbers between 1 and 10

b.   Describe any seven of the flowcharting symbols with their functions

c.   Give 5 importance of flowchart

4a.   Write a scientific program to print the average of a set of numbers

b.   Distinguish between single precision and double precision

c.   List and explain briefly any 5 keywords of a scientific program

5a.   State the rules of Arithmetic operators.

b.   Write a program to calculate a factorial number, n!

c.   Make a tabular representation any five built-in functions available in a scientific program