EASTERN UNIVERSITY, SRI LANKA
DEPARTMENT OF MATHEMATICS
EXTERNAL DEGREE PROGRAM IN SCIENCE – 2007/2008 & 2008/2009 (July/August, 2015)
EXTCS 104 – OBJECT ORIENTED PROGRAMMING TECHNIQUES

Answer all questions   **Time: 1 Hour**

Q1.

a) State what is meant by *Object Oriented Programming*.

b) Define the following terms regarding the Object Oriented Methodology:

    i.   Object;

    ii.   Field;

    iii.   Method.

c) What is meant by a **class** and give its general syntax.

d) Define what is meant by *inheritance* and give its general format.

Q2.

a) State the use of *constructor* and give its general syntax.

b) Briefly describe *implicit* type conversions in C++ with suitable examples.

c) What is meant by an *Operator Overloading*?

d) Consider the following integer variables with their initial values:

A=5; B=7; C=8; D=12;

Suppose that the following assignments are performed:

i.   A += B++ + ++C;

ii.   D = ++D + D++;

Write the values that the variables would have after the execution.