



EASTERN UNIVERSITY, SRI LANKA
EXTERNAL DEGREE
SECOND EXAMINATION IN SCIENCE -2009/2010
FIRST SEMESTER (May/June, 2012)
EXTMT 251 – PRACTICAL WORK ON EXTMT 206

Answer all questions

Time: Two hours

Q1)

Write a class in java with following description:

Private Members

A data member Flight number of type integer

A data member Destination of type string

A data member Distance of type float

A data member Fuel of type float

A member function CALFUEL() to calculate the value of Fuel as per the following criteria

Distance	Fuel
≤ 1000	500
more than 1000 and ≤ 2000	1100
more than 2000	2200

Public Members

A function FEEDINFO() to allow user to enter values for Flight Number, Destination, Distance and call function CALFUEL() to calculate the quantity of Fuel.

A function SHOWINFO() to allow user to view the content of all the data members.

Q2) Write a Java program to prepare the mark sheet of a university examination with the following conditions:

Design a base class named as "**Student**" consisting of data members Name of the student and Roll no. The derived class named as "**Marks**" consists of the data members Subject name, Subject code and Exam_Marks.

Functions in Base class:

getDetails() // Enter name and Roll no

display() // Display name and Roll no

Functions in Derived class

getMarks() // Enter Subject name, code and Exam_Marks

displayMarks() // Display Subject name, code and Exam_Marks

Create object for the derived class and call the following functions:

getDetails();

display();

getMarks();

displayMarks();