EASTERN UNIVERSITY , SRILANKA
SECOND EXAMINATION IN SCIENCE-(2007/2008)
FIRST SEMESTER (DEC/JAN 2008)
OC251-FUNDERMENTAL OF PROGRAMMING(JAVA)(Practical work on OC206)
(Proper & Repeat)

Answer all questions. Time: Two hours

Question 01

i) Write a java program to explain the mouse motion event in java. This program must illustrate the drawing using mouse drag and drawing color lines in an applet window. Run the program in java and save it in floppy drive.

ii) Write a java program to draw a rectangle or oval shape and add color to this shape and view the shape in an applet window. Run the program in java and save it in floppy drive.

Question 02

i) Using java input, output package, write a java program to create a text file and write data to this file. Run the program in java.

ii) Write a java program to explain the following methods: start(), stop(), sleep() in thread class in java. Run the program in java

Question 03

i) Write a program in java that allows you to create an integer array of 18 elements with the following values: int A[]={3,2,4,5,6,4,5,7,3,2,3,4,7,1,2,0,0,0}. The program computes the sum of element 0 to 14 and stores it at element 15, computes the average and stores it at element 16 and identifies the smallest value from the array and stores it at element 17. Run the above program and save the program in a floppy.

ii) Write a program in java that accepts two numbers from the command line and prints them out. Then use a for loop to print the next 13 numbers in the sequence where each number is the sum of the previous two. Run the program to get the output as follows:

```
input> java prob2 1 3

output> 1 3 4 7 11 18 29 47 76 123 322 521 843 1364
```

Question 04

Controls are components that allow a user to interact with your application. The AWT package in java supports the following types of controls:

Labels ,Push buttons,Check boxes ,Choice lists ,Lists ,Scroll bars, Text components.

Write a java program to view the above components.

Run the program in java appletviewer.Save the program in a floppy.