Eastern University SriLanka

Second Examination in Science, (2005/2006)

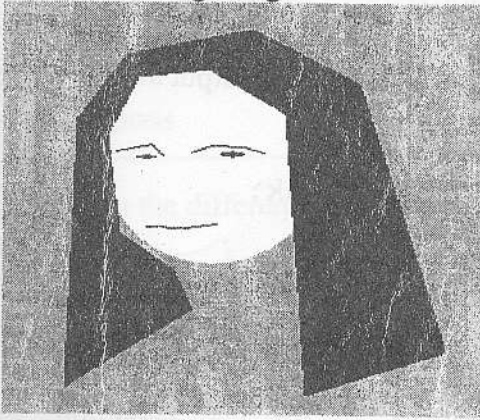### (August/September,2007)

First Semester-- Proper and Repeat

OC 251- Java Programming(Practical)

<u>Answer all questions</u>   Time: 2 hours

Q 1 . Write a java program using awt graphics to output the following image.

Q2

a) Write a java program to output the following , using java *lang* package.

```
Elvis weighs 250
Elvis visits a few all-you-can-eat rib joints.
Elvis throws a Thanksgiving luau.
Elvis now weighs 260 Elvis discovers aerobics.
Elvis now weighs 245 Elvis falls into a
      washing machine during the shrink cycle.
Elvis now weighs 81 Elvis accidentally clones
      himself 12 times.
The 13 Elvii now weigh 1053
```
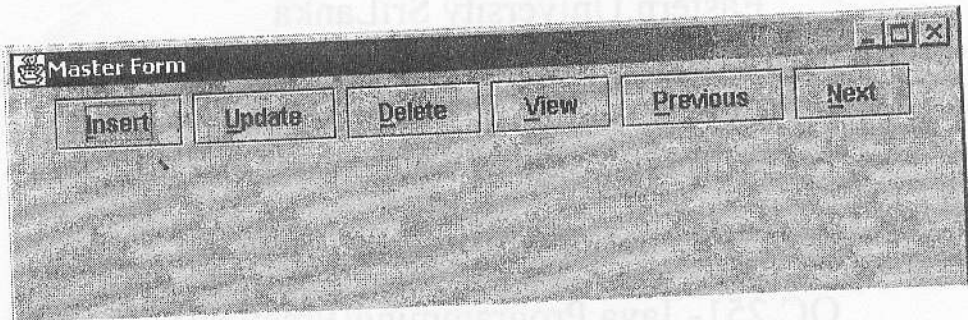
b) Create a text file out.txt.Write a programme in Java using file object and input/output package to write an array of bytes into this file out.txt.
[hint write array byte[]b = {2,3,4,5,6,8,12,13, 14,15,16} into file out.txt]

Q3

Write a java programme giving the fallowing design output.

Q4

a) Write a Java program to illustrate object oriented concept.
Define a Mammel class with some function .Define a Dog ,
Morley(it is another Dog) classes extends Mammel class.
Write a class called Speak class containing main( ) function. By
creating Morley and Dog objects in this Speak class and accessing
functions of the Morley, Dog class functions create an output as
follows.

Output:

```
First we'll get the dog to speak:
Arf! Arf!
Now it's Morley's turn to speak:
Can I ask you a few questions about your
1987 tax statement?
Time for both to sleep: ZZZZ ZZZZZZ ZZZZ
ZZZZ ZZZZZZ ZZZZ
```

b) Write a programme in java to illustrate the multitasking capability
of java.(That is write a program using run(), sleep() methods
in Java thread class.)