EASTERN UNIVERSITY, SRILANKA
DEPARTMENT OF MATHEMATICS
SECOND EXAMINATION IN SCIENCE – 2008 / 2009
FIRST SEMESTER (Feb./ Mar., 2010)

OC 251 – PRACTICAL WORK ON OC 206
(Proper & Repeat)

swer all question   Time: Two hours

Vrite a program in Java to display an image in an applet.   (30marks)
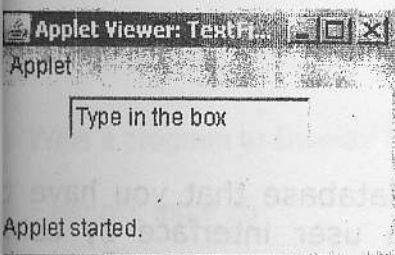
Vrite a program in Java to accept any three numbers directly from the
:ommand line, add the numbers and then display the sum .   (30marks)

Vrite a program in Java to find the square of the following matrix:
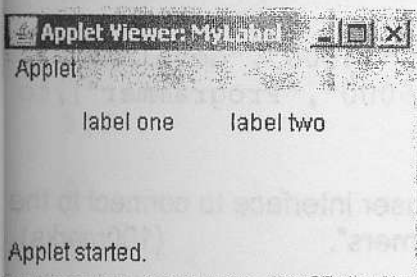
$$\begin{pmatrix} 1 & 3 & 5 \\ 2 & 4 & 6 \\ 6 & 7 & 8 \end{pmatrix}$$

(40marks)

Vrite a program in Java to get the following output.   (25marks)

Vrite a program in Java to get the following output.   (25marks)

C) Write a program in Java to get the following output.   (50marks)

```
Getting Rows and Columns from a Ta...  _ □ X
  Vinod      5000     Java
  Deepak     14000    developer
  Sushil     20000    writter
  Chandan    15000    Programmer
```

3.

a) Make a class program to illustrate object oriented concept.
   Define a Mammel class with some function.
   Define a dog, Morley (it is anther dog) class extending Mammel. Then make a c
   say Speek class containing main() function. By creating Morley and dog objects in
   Speak class and accessing functions of the Morley, dog class function create an ou
   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   (40mar

b) Write a program in Java to explain inheritance in Object Oriented concept. (20mark

c) Using Java Programming language write programs to create menus and pop-up
   menus.   (40mar

4.

Suppose you have a set of records in an Access database that you hav
view through a front-end tool. You can design a user interface by u
programming languages Java.

Using Microsoft Access software create a table "Cutomers" with the following colu
Emp_name, Emp_sa, Depart.
Add records {"Vinod","5000","Java"}, {"Deepak","14000","developer"|
{"Sushil","20000","writter"}, {"Chandan","15000","Programmer"},t
this table.

Write an application program in Java to design the above user interface to connect to t
table "Cutomers" and view all records from the table "Cutomers".   (100mark