Eastern University SriLanka
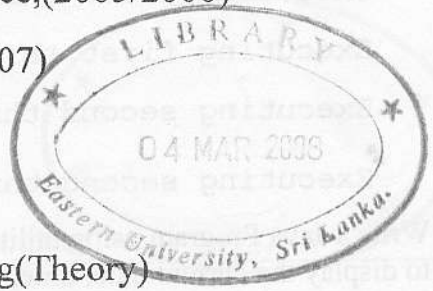
Second Examination in Science,(2005/2006)

(August/September,2007)

First Semester

Proper and Repeat
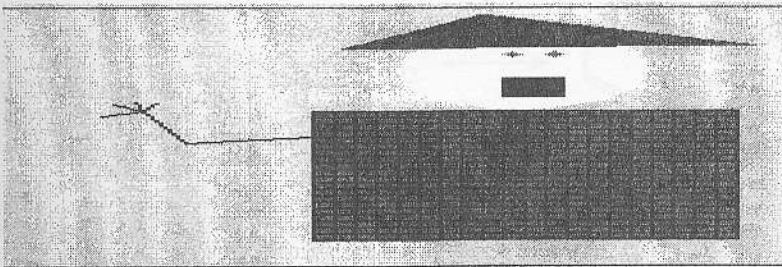
OC 206- Java Programming(Theory)

Answer all questions   Time : 2 hours

Q1. a. What is the difference between a Java applet and a Java stand-alone

application?

b. Explain the important features of Java.

c. What are the three major concepts used in Object Oriented Programming ?

Explain each of these three concepts.

d. Give a sample Java Programme to explain *inheritance* in Java?

Q2. Write a Java Programme to give the fallowing output?

What is the mouse event that is most commonly captured and

responded to in Java applets?

What are the two keyboard events your applet is likely to receive?

Q3 a) How do you use a `try` program block? How do you use a

`catch` program block? Explain this with a Java Programme.

b) Write a Java Programme using *thread* to give the fallowing output.

```
End of first thread
    End of second thread
    Executing first thread
    Executing second thread
    Executing first thread
    Executing first thread
    Executing second thread
    Executing second thread
```

Q4   Write a Java Program using utility packages and other packages
to display the current date, time, year and some comments as fallows.
." Good morning."
It's 58 minutes past 1 o'clock on July 23, 2007.