

QP Code : 11842

(OLD COURSE)

(3 Hours)

[Total Marks : 100]

- N.B. :** (1) Questions No.1 is **compulsory**.
(2) Attempt any **four** from remaining questions.

1. (a) Explain the object oriented concepts of Java. 10
(b) Explain the types of operators in Java with example. 10
2. (a) Explain life cycle of a thread 10
(b) Write a program in java to find largest of two numbers. Take the two numbers from command line. 10
3. (a) What is multiple inheritance? How it is implemented in java? 10
(b) Explain the life cycle of Applet. 10
4. (a) Write a program in java to display the following pattern 10
- ```
 *
 * *
 * * *
 * * * *
```
- (b) What is abstract class? Explain with example. 10
5. (a) Write a program in Java to find Fibonacci series upto number 5. 10  
(b) What is exception handling in Java? How it is implemented? 10
6. (a) Write a program in java to demonstrate parameter passing to applet. 10  
(b) Write a program in java to illustrate boolean operators. 10
7. (a) Write a program in java to find reverse of the given string. 10  
(b) Explain the concept of thread synchronization. 10