

BT-5/D-24

45171

ESSENTIAL OF INFORMATION
TECHNOLOGY
PC-SS-305A

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. (a) Explain different types of Operators along with their Associativity and Precedence in JAVA. 8
- (b) What is a Constructor ? What are the various methods for Constructor Overloading ? Write a program in Java to perform Constructor Overloading. 7
2. (a) What is JVM (Java Virtual Machine) ? Explain its working. 5
- (b) Differentiate between Package and Interface by giving example. 5

- (c) How Exceptions are handled in Java ? 5

Unit II

3. (a) What are Applets ? Explain the life Cycle of an Applet. 7
- (b) What are Event classes in JAVA ? How they are handled ? 8
4. (a) What are Container Classes ? Explain different types of it. 7
- (b) Write a program to create a Frame in AWT by extending Frame Class. 8

Unit III

5. (a) Write the difference between GET and POST methods of Servlets, why they are used ? 7
- (b) How parameters are passed to Servlets in a program ? 8
6. Write notes on the following : 15
- (i) Session Tracking
- (ii) Cookies.

Unit IV

7. Explain the various steps to connect database in JAVA.

15

8. (a) What are the differences between execute, executeQuery and executeUpdate ? 7

(b) What are different JDBC API components ? 8

