

Roll No.

Total Pages : 2

BT-5/D-20

45171

ESSENTIAL OF INFORMATION TECHNOLOGY

Paper-PC-CS-305A

Opt. (II)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt *five* questions by selecting at least *one* question from each Unit.

UNIT-I

1. What is an interface ? How an Interface is different from a Class ? Write a program to implement multiple inheritance. 15
2. (a) What is a Constructor ? Write a program to inherit constructor in a class ? 10
(b) What do you mean by Precedence and Associativity ? Write the different operators according to their precedence and associativity. 5

UNIT-II

3. (a) Why Applets are Virus Free? Explain the life cycle of an Applet. 7
(b) Explain constructors for the following :
 - (i) Buttons.
 - (ii) Check Box.
 - (iii) Text Field.
 - (iv) Tables. (4×2=8)

4. What is a container ? Write a program in Java to add various items in the container ? 15

UNIT-III

5. Explain Servlet packages, classes and interface for servlet programming in brief. 15
6. Explain GET and Post methods for handling HTTP request and response with example. 15

UNIT-IV

7. Differentiate short notes on :
- (a) List. 15
 - (b) Set.
 - (c) Collection.
 - (d) Tree.
8. (a) What are JDBC component, explain in detail ? 7
- (b) What are the steps to connect to database in Java ?
Write various steps for JDBC Connectivity. 8
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