

JAVA OOP FOUNDATIONS

Paper-CC-A3 : B23-CAP-301, B23-CTS-301

Time allowed.: 3 Hours]

[Maximum Marks : 50

Note : Attempt **five** questions in all, selecting **one** question from each unit. Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Attempt all questions:

- (i) Differentiate class and interface.
- (ii) C Name various character streams.
- (iii) Name few applications of object oriented programming.
- (iv) Discuss AWT containers.
- (v) What do you understand by Java String class?

UNIT-I

- 2. (a) How is JAVA platform independent and portable, justify?
 - (b) Define Data Types of JAVA. emphasise on Non-Primitive data types.
3. List various operators used in Java with example.

UNIT-II

4. What is inheritance? Write its types. Explain multiple inheritance with suitable code segments.
5. What is a package? How to access, import a package? Explain with examples.

UNIT-III

6. How Exception handling is done in Java? How to handle it, explain with example?
7. (a) What is File class for file management? Explain with suitable scenarios.
(b) Write a program to copy the contents of one file to other. Read the names of files as command line arguments.

UNIT-IV

8. Explain event model and its types.
9. (a) Explain AWT class Hierarchy. Illustrate Event Source in detail.
(b) What is the role of event handling?