### BCA/M-22

1889

# PROGRAMMING IN CORE JAVA BCA-366

Time: Three Hours]

[Maximum Marks: 80

Note: Attempt *Five* questions in all. Q. No. 1 is compulsory.

Attempt *four* more questions, selecting exactly *one* question from each Unit.

#### Compulsory Question

- 1. (a) State the major features of object-oriented programming.
  - (b) What is the purpose of labelled break and continue?
  - (c) How can you create a class in Java?
  - (d) State the major difference between String and StringBuffer classes.
  - (e) What is meant by inheritance?
  - (f) Name and state purpose of any two pre-defined packages.
  - (g) What is an exception?
  - (h) State the purpose of AWT.

 $8 \times 2 = 16$ 

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## Unit I

(a) Explain Java Run-Time Environment in detail.

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2.

	(b)	Describe various operators in java in brief. 8	
3.	(a)	What are the various features of Java? Explain in detail.	
	(b)	What are the various ways to perform I/O in	
		Java ?	
		Unit II	
4.	java	ain the concept of various types of constructors in with the help of examples. Also discuss how garbage ection is done in java.  16	
5.	these	t is meant by overloading and overriding? How are implemented in Java? Explain both by writing ram for both.	
		Unit III	
6.	Expl	ain multiple inhertiance in java by writing a program.  16	
7.		can you create a user-defined package in Java? ain by creating a package and using that package.	
		. 16	
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#### Unit IV

- What is a user-defined exception? Explain by writing an appropriate example.
- 9. What is an Applet ? Write a program in java to pass parameters to an applet at run-time.16

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