

67145

**MCA 3rd Semester (New) with new
notes full and Re-appear
candidates Examination—
December, 2013**

Object Technology

Paper MCA-305

Time : 3 hours

Max. Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Question No. 1 is compulsory. Attempt **four** other questions selecting at least **one** question from each Unit. All questions carry equal marks.

1. (a) What is Iterative statement ? 2
(b) What is scope variable ? 2
(c) What is String buffer class ? 2

- (d) What is Final modifier ? 2
- (e) What is Main thread ? 2
- (f) What is CLASSPATH ? 2
- (g) What is Paint mode ? 2
- (h) What is status window ? 2

UNIT - I

2. What is the history and feature of Java ? Explain various expressions and operators available in Java. 16

3. Explain the following :

(a) Declaration and usage of arrays using example. 6

(b) Automatic garbage collection and control statements in Java. 6

(c) Java class library and Reference variable. 4

UNIT - II

4. (a) What do you mean by Interfaces ? How interface differ from multiple inheritance ?

Explain how to implement interface by using example. 10

(b) What is abstract class ? Illustrate through suitable example. 6

5. What is Exceptions ? What is life cycle of an Exception ? Explain how to Deal with Exceptions and Defining Your Own Exceptions. 16

UNIT - III

6. (a) What is Multithreading programming ? Explain Synchronization and Deadlocks inter-thread communication. 10

(b) What is input and output stream in Java ? Explain reading and writing on files. 6

7. What is applet ? What are basics features ? Describe how HTML APPLET tags passing parameters to applet. Illustrate with example. 16

UNIT - IV

8. Discuss the following :

(a) Window in an Applet and AWT Controls.

8

(b) Window fundamental and Menus.

8

9. What are AWT classes ? Discuss creating a frame window in an applet. Explain Exploring text and graphics.

16
