

K17P 0184



Reg. No.:

Name:

Third Semester M.C.A. Degree (Regular/ Supplementary/Imp.)
Examination, January 2017
MCA 3C14 – PROGRAMMING IN JAVA
(2014 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **any ten** questions, **each** question carries **three** marks.

1. What are the basic concepts of OOP ?
2. Mention the applications of Java-applets.
3. Compare and contrast static and dynamic access specifier.
4. Discuss the importance of user defined packages.
5. What are the uses of this Keyword ?
6. Mention the uses of multithreading.
7. Distinguish the importance of various classes of Input and Output Stream.
8. How the Java application is different from Java Applet ?
9. What are the functions of component and container ?
10. Mention the important methods of AWT classes.
11. How to establish the database connectivity using JDBC ?
12. What are the limitations of event classes ?

(10×3=30)

P.T.O.



SECTION – B

Answer **all** questions, **each** question carries **ten** marks.

13. a) Describe briefly various methods of Java Applet programming. 10
OR
b) Describe the steps of writing and executing Java programming with suitable examples. 10
14. a) Explain the string handling functions with suitable examples. 10
OR
b) Discuss the method of overloading and method of overriding with suitable examples. 10
15. a) Define multithreading. Explain the implementation of multithreading with suitable examples. 10
OR
b) Mention four important methods of input and output streams of Java programming. Explain at least two methods in each other. 10
16. a) Explain the working of graphics with suitable applet methods. 10
OR
b) Discuss the various classes and methods of AWT. 10
17. a) Explain the exception handling importance in Java Programming with suitable examples. 10
OR
b) Explain the JDBC architecture and various devices of JDBC. 10

(5×10=50)