



V Semester B.C.A. Degree Examination, October/November 2012
(Y2K8 Scheme)
Computer Science
BCA-504 : JAVA PROGRAMMING

Time : 3 Hours

Max. Marks : 60

Instruction : Answer all the Sections.

SECTION – A

Answer any ten questions :

(10×1=10)

1. How is JAVA bytecode different from other low-level computer languages coding ?
2. What is meant by scope of a variable ?
3. What are the data types used in JAVA ?
4. What is the super class of exception ?
5. What do you mean by vector ?
6. Differentiate between a class and an interface.
7. How are threads created in JAVA ?
8. What is API ?
9. List the various types of action listeners in JAVA.
10. What is an Applet ?
11. What are the basic types of JAVA streams ?
12. Define impart keyword.

SECTION – B

Answer any five questions :

(5×3=15)

13. JAVA is platform independent. Explain.
14. Describe the structure of JAVA program.
15. Explain command line arguments.
16. Explain the methods for
 - a) Character extraction
 - b) String comparison
 - c) String concatenation.

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17. Explain the methods of a thread class.
18. Explain try, catch and throws with an example.
19. Give the skeleton of an applet and explain all its attributes.
20. Explain any three methods of input stream class with example.

SECTION – C

Answer **any five** questions :

(5×7=35)

21. Explain JVM and its components. 7
22. a) Explain overriding with an example. 5
 b) What is static class ? 2
23. a) What is a package ? How do you create and access a package ? 3
 b) Write a JAVA program to implement thread priorities. 4
24. What is exception handling ? How to handle exceptions ? Explain. 7
25. a) What are the advantages of Applets over JAVA applications ? 4
 b) What are Events ? Explain event handling in JAVA. 3
26. a) Write short notes on : 4
 i) Wrapper class
 ii) String buffer
 b) Explain character stream classes and byte stream classes. 3
27. a) Explain the methods available in JAVA input stream class. 3
 b) Define abstract class. Discuss its importance. 4