



OS – 443

V Semester B.C.A. Degree Examination, October/November 2012
(O.S.)

Paper – 5 BCA 1 : JAVA PROGRAMMING AND WEB PAGE DEVELOPMENT

Time : 3 Hours

Max. Marks : 80

Instruction : Answer *all* Sections.

SECTION – A

Answer **any eight** questions.

(8×3=24)

1. Explain features of Java.
2. How Java is different from C++.
3. What are the primitive data types available in Java ?
4. What are different categories of operators in Java ?
5. With an example show the difference between break and continue statements.
6. What is a package ? How to create it ?
7. What are wrapper classes ? Mention any two.
8. Mention atleast 3 methods of string class (with example).
9. What is a thread ? What is thread priority ?
10. Illustrate method overriding with example.

SECTION – B

Answer **any four** questions.

(4×14=56)

11. a) What is an Applet ? Write notes on its life cycle.
- b) Write a program to implement thread priorities.

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12. a) What is a vector ? How it is different from an array ? 7
 b) Write a note on different forms of inheritance. 7
13. a) Write a note on static variables and static methods. 7
 b) Explain exception handling in Java with an example. 7
14. a) Write a note on :
 a) abstract class
 b) control statements. 8
 b) Write a note on AWT package. 6
15. a) What is a stream ? Explain character and byte streams. 7
 b) Write a program to reverse a string. 7
16. a) Illustrate access specifiers in Java with suitable examples. 6
 b) Write the difference between applet and application program. Create a simple applet and explain its status window. 8

SECTION - B

Answer any four questions

1. What is an applet ? Write notes on its life cycle.

2. Write a program to demonstrate thread priorities.