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. (8x3=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. (4x14=56)

11. a) What is an Applet ? Write notes on its life cycle.
    7
    b) Write a program to implement thread priorities.
    7

P.T.O.
12. a) What is a vector? How it is different from an array?
   b) Write a note on different forms of inheritance.

13. a) Write a note on static variables and static methods.
   b) Explain exception handling in Java with an example.

14. a) Write a note on:
   a) abstract class
   b) control statements.
   b) Write a note on AWT package.

15. a) What is a stream? Explain character and byte streams.
   b) Write a program to reverse a string.

16. a) Illustrate access specifiers in Java with suitable examples.
   b) Write the difference between applet and application program. Create a simple
       applet and explain its status window.