

V Semester B.C.A. Examination, May/June 2010
Scheme : O.S
COMPUTER SCIENCE
5BCA - 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. What is an inner class ? Explain with an example.
2. What is dynamic method dispatch ? Explain with an example.
3. Can a class be prevented from being inherited ? If so justify your answer.
4. What is an interface ? Explain with an example how interfaces can be extended.
5. Define the following (i) Event (ii) Event source (iii) Event Listener.
6. Explain the methods supported by frame class.
7. Write the syntax of different constructors supported by checkbox.
8. What is a swing ? Write any three classes defined by swing.
9. What is a java bean ? Write any two advantages of java beans.
10. Explain how BorderLayout can be used to arrange controls in a window.

SECTION - B

Answer any **four** questions.

(4×14=56)

11. a) Explain the features of Java. 8
- b) Explain CharAt(), getChars() and substring() with examples. 6



12. a) Explain the use of super with examples. 7
- b) Write a program to accept a line of text and to count how many times a particular word has appeared in the text ? 7
13. a) What is an Exception ? Explain with example how java handles exceptions. 7
- b) What is a thread ? Explain how thread synchronization is handled by java. 7
14. a) Explain the constructors and methods of File class. 7
- b) Explain various mouse events with example. 7
15. a) Write a program to create a TextField and to accept only alphabets in it. 8
- b) Explain with example how dialog boxes are created. 6
16. Write short notes on the following. (4×4=16)
- a) Adapter classes
- b) Applets
- c) Memory Management
- d) JDBC.
-