SUBJECT CODE: CS/MC/OP24

B. C. A. DEGREE EXAMINATION, APRIL 2008
SECOND SEMESTER

COURSE   :   MAJOR CORE
PAPER   :   OBJECT ORIENTED PROGRAMMING
TIME   :   1½ HOURS   MAX. MARKS: 50

SECTION – A

Choose the correct answer: 5x1=5

1.   A compiled version of Java program will be in
      a) machine code   b) encrypted code   c) byte code   d) none of these.

2.   The size of int data type in Java is
      a) 8 bits   b) 16 bits   c) 32 bits   d) 64 bits

3.   Java returns a _____ result after conditional tests.
      a) character   b) Boolean   c) integer   d) float

4.   The overloaded constructors in a class will have
      a) different parameter lists   b) different return types
      c) different names   d) none of these

5.   A program that is executed independent of other parts of a program is _____
      a) class   b) package   c) interface   d) thread

Fill in the blanks: 5x1=5

6.   A _____ is a group of related classes and interfaces.
7.   A _____ is an abnormal condition caused by run-time errors in a Java program.
8.   A class for which we cannot create objects is called a _____ class.
9.   _____ keyword refers to the current object of class in which it is used.
10.   _____ is a path along which the data flows.

SECTION – B

Answer all the following: 5x2=10

11.   Why is Java called the platform independent language?
12.   What is an inner class?
13.   Define a package and how do we access it in a Java program?
14.   What are the four levels of controlling access to variables, methods and classes?
15.   Name the different states in the life cycle of a thread.

SECTION – C

Answer any six of the following: 6x5=30

16. Explain the three major concepts of an object oriented programming language.

17. Explain the input and output statements in Java with examples.

18. What is constructor? What are the different types of constructors?

19. Explain the string class in Java with the methods used along with it.

20. Explain the try-catch mechanism of exception handling in Java.

21. Write note on interface inheritance in Java with examples.

22. What is meant by method over riding? How can we access an overridden method?

23. Write note on inter-thread communication.

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