CHRIST UNIVERSITY,BENGALURU - 560029

End Semester Examination March - 2015
Bachelor of Science IV SEMESTER CME / CMS

Code: CSC431   Max.Marks: 100
Subject: OBJECT ORIENTED PROGRAMMING USING JAVA   Duration: 3Hrs

SECTION A

Answer ALL   10X2=20

1   Define polymorphism.
2   What are the different categories of operators used in JAVA?
3   Give the general form of new operator.
4   Write syntax for array declaration.
5   Why the methods of interface are public and abstract by default?
6   Differentiate between checked and unchecked exceptions.
7   What is thread priority?
8   List any 4 byte stream classes.
9   What is an Applet?
10 What are inner classes in applets?

SECTION B

Answer any EIGHT   8X5=40

11 Define encapsulation and explain its advantages with suitable example.
12 Explain why JAVA is important to the Internet.
13 Can a non static data member be used in s static method? Justify you answer.
14 Write a note on array initialization in JAVA.
15 Explain the significance of final in inheritance with an example.
16 Explain multiple catch statements.
17 Elaborate inter thread communication in detail.
18 Write a JAVA program that reads a string from the console using BufferedReader.
19 Briefly explain
    a) getDocumentBase()
    b) getCodeBase()
20 Explain event handling in applets.

SECTION C

Answer any TWO   2X10=20

21 Write short notes on a)Scope of variables in JAVA b)Bitwise operators.
22 Explain method overloading in JAVA with suitable example.
23 Explain constructors of File class.

SECTION D

Answer any TWO   2X10=20

24 Write a JAVA program to demonstrate five ways of string creation.
25 Write a program to find the areas of Square and Rectangle by deriving them from Shape.
26 Write an applet program that scrolls a message, from right to left, across the applet's window.