ANNA UNIVERSITY OF TECHNOLOGY, COIMBATORE

B.E. / B.TECH. DEGREE EXAMINATIONS : NOV / DEC 2011

REGULATIONS : 2008

FIFTH SEMESTER : CSE

080230021 - JAVA PROGRAMMING

Time : 3 Hours   Max. Marks : 100

[QUOTE EXAMPLES AND DIAGRAMS WHEREVER NECESSARY]

PART - A

(10 x 2 = 20 MARKS)

ANSWER ALL QUESTIONS

1. What are unique advantages of an object-oriented programming paradigm?
2. How is java more secured than other languages?
3. How String class differs from the String Buffer Class?
4. What is the major difference between an interface and a class?
5. How do we define a catch block?
6. How many catch blocks can we use with one try block?
7. What is a remote applet?
8. How do applets differ from application program?
9. Write three constructors of Gregorian calendar
10. Write a general format of 'getoffset'method in Time Zone class

PART - B

(5 x 16 = 80 MARKS)

ANSWER ALL QUESTIONS

11.(a) What is statement? Describe the various statements used in java?

(OR)

11.(b) What is data type? List eight basic data types used in Java .Give examples.

12.(a) Write a program to find the number of and sum of all integers greater than 100 and less than 200 that are divisible by 7.

(OR)

12.(b) Discuss the various levels of access protection available for package and their implications.

13.(a) Explain how exception handling mechanism can be used for debugging a program.

(OR)

13.(b) Define an exception called "NoMatchException" that is thrown when a string is not equal to "India". Write a program that uses this exception.

14.(a) Explain the client/server relationship as applied to Java applet.

(OR)

14.(b) Discuss the steps involved in loading and running a remote applet with neat diagram.

15.(a) Explain all the methods defined by Random with examples.

(OR)

15.(b) Write a program to demonstrate several Calendar methods with Sample input and output.

*****THE END*****