P1054

[4066]-45
S.Y.M.C.A. (Engineering Faculty)
JAVA PROGRAMMING
(2005 Pattern) (Sem - IV) (215013)

Time : 3 Hours]   *[Max. Marks : 100*

Instructions to the candidates:

1) Answer any three questions from each section.

2) Answer to the two sections should be written in separate books.

3) Neat diagrams must be drawn whenever necessary.

4) Figures to the right indicate full marks.

SECTION - I

Q1) a) Explain concept of a Iterator. Explain methods in Iterator interface. **[8]**

   b) What is the difference between a array and a Vector? Explain functions of Vector class. **[8]**

OR

Q2) a) Explain Hash table. Also explain methods of Hash table. **[8]**

   b) What is inheritance? With example explain use of super keyword in it. **[8]**

Q3) a) What is Choice control in Java. Explain any five methods of it. **[8]**

   b) What are different Event classes in Java? **[8]**

OR

Q4) a) Write a program to display a "Hello" message in the window when left mouse button is clicked. **[8]**

   b) Write the similarities and dissimilarities between swing and AWT. **[8]**

Q5) a) With example explain HTML applet Tag. **[9]**

   b) List various methods in Applet class. Explain in detail all the methods. **[9]**

OR

Q6) a) Write an applet program that accepts two input string using <param> tag and concatenate the strings and display it in window. **[9]**

   b) What are the different ways to execute applet? Explain with example.**[9]**

Q7) a) Write a program to accept five numbers from the user, find total and average of these numbers and display result on the screen. **[8]**

b) What is string tokenizer class? Explain in detail. **[8]**

OR

Q8) a) Write a program to accept two numbers from user. Also accept a choice to perform various arithmetic operations like addition, subtraction, multiplication and division on them. Display the result. **[8]**

b) Distinguish between **[8]**
   i) Inputstream and Reader classes.
   ii) Outputstream and Writer classes.

Q9) a) How to connect a database into Java application? Explain it with simple application. **[8]**

b) Differentiate between JDBC and ODBC. **[8]**

OR

Q10) a) Explain different JDBC drivers. **[8]**

b) Explain Prepared Statement in detail. **[8]**

Q11) a) Explain Server Socket and Datagram Socket classes. **[9]**

b) Explain different Network Exceptions? **[9]**

OR

Q12) a) What are the difference between TCP and UDP? **[9]**

b) Explain the following classes and methods in detail with example. **[9]**
   i) Inet Address.
   ii) Inet Address get By Name()

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