[5954]-503
T.Y. B.B.A. (Computer Application)
CA 503 : CORE JAVA
(2019 Pattern) (Semester - V)

Time : 2½ Hours]   *[Max. Marks : 70*
Instructions to the candidates:
1) *Neat diagrams must be drawn wherever necessary.*
2) *Figures to the right indicate full marks.*
3) *All questions carry equal marks.*
4) *All questions are compulsory.*

Q1) Attempt any Eight :   [8 × 2 = 16]

a) What is Java? Why Java is a platform neutral language?

b) What is access specifiers? List them.

c) Define Keyword-Static.

d) Why we set environment variable in Java?

e) Write advantages of Inheritance.

f) Define class and object with one example.

g) What is Swing?

h) When buffered reader is used?

i) What is main difference between exception and error?

j) What is Panel?

Q2) Attempt any four :   [4 × 4 = 16]

a) What is Super Keyword? Explain the use of super keyword with suitable example.

b) Describe file handling in brief.

c) What is datatype? Explain types of datatypes used in Java.

d) What is interface? Why they are used in Java?

e) Why the main() method in public static? Can we overload it? Can we run java class without main() method?

P.T.O.

Q3) Attempt any four :   [4 × 4 = 16]

   a)   Write a java program which accepts student details (Sid, Sname, Saddr) from user and display it on next frame. (Use AWT).

   b)   Write a package MCA which has one class student. Accept student details through parameterized constructor. Write display() method to display details. Create a main class which will use package and calculate total marks and percentage.

   c)   Write Java program which accepts string from user, if its length is less than five, then throw user defined exception "Invalid String" otherwise display string in uppercase.

   d)   Write a Java Program using Applet to create login form.

   e)   What is recursion is Java? Write a Java Program to final factorial of a given number using recursion.

Q4) Attempt any four :   [4 × 4 = 16]

   a)   Explain method overloading and method overriding in detail.

   b)   Write a applet application in java for designing smiley.

   c)   Explain in brief delegation event model for handling events.

   d)   Write a java program to copy the dates from one file into another file.

   e)   Write a java program to accept' 'n' integers from the user & store them in an ArrayList Collection. Display the elements of ArrayList collection in reverse order.

Q5) Write short note any two :   [2 × 3 = 6]

   a)   What is repaint method does?

   b)   Write constructors of Jtabbed panel.

   c)   Abstract class.

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