Exam Seat No:_____   Enrollment No:_____

C.U.SHAH UNIVERSITY
Wadhwan City

Subject Code : 5CS02JPL1   Summer Examination-2014   Date: 18 /06/2014

Subject Name:- **Java Programming**

Branch/Semester:-M.Sc(I.T)/II   Time:02:00 To 5:00

Examination: Regular

Instructions:-
(**1**) Attempt all Questions of both sections in same answer book / Supplementary
(**2**) Use of Programmable calculator & any other electronic instrument is prohibited.
(**3**) Instructions written on main answer Book are strictly to be obeyed.
(**4**)Draw neat diagrams & figures (If necessary) at right places
(**5**) Assume suitable & Perfect data if needed
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SECTION-I

Q.1 Attempt the Following Questions: (07)
    (1) What is JVM?
    (2) What is Encapsulation?
    (3) How to Compile java programs and run java programs.?
    (4) What is the structure of simple java program?
    (5) Differentiate print and println.
    (6) Java programs have to be saved in which extension.
    (7) What is the Differece between '>>' and '>>>' operator?

Q.2 Attempt the Following Questions: (14)
    (1) What is Abstract class? Explain Abstract class with suitable example   (5)
    (2) Write a program to find whether given String is Palindrome or not, using command
        line.   (5)
    (3) Explain the java advantages   (4)

OR

Q.2 Attempt the Following Questions: (14)
    (1) Explain any five java Operators with examples.   (5)
    (2) Write a java program to find power of given number use command line argument to
        accept base and power number   (5)
    (3) What is a Constructor? Explain the Constructor Overloading with example.   (4)

Q.3 Attempt the Following Questions: (14)
    (1) What is Inheritance? Explain the types of Inheritance with examples   (7)
    (2) What is Package? Write a Step to Create Package with suitable examples   (7)

OR

Q.3 Attempt the Following Questions: (14)

    (1) What is Interface? Explain the Interface with examples.   (7)
    (2) What is Enum? Explain enum type with example of java program code.   (7)

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SECTION-II

Q.4 Attempt the Following Questions: **(07)**
    (1) How to Run Applet Program with Syntax?
    (2) What is Stream?
    (3) What is the difference between Length and length ()?
    (4) Enlist different tag use in applet code with Syntax.
    (5) What is the unchecked and checked exception?
    (6) What is garbage collection?
    (7) What is the default layout of an applet?

Q.5 Attempt the Following Questions: **(14)**
    (1) Differentiate String and StringBuffer class.   (5)
    (2) Write an applet that computes the payment of a loan based on the amount of the loan, the interest rate and the number of months. It takes one parameter from the browser: Monthly rate; if true, the interest rate is per month; other wise the interest rate is annual.   (5)
    (3) Explain Scanner and BufferedReader Classes with examples.   (4)

OR

Q.5 Attempt the Following Questions: **(14)**
    (1) Explain Try, Catch, Throw, Throws and Finally with example   (5)
    (2) Make an Applet that create two buttons named "Black" and "Green" When a button is Pressed the background color of the applet will be "Black" and "Green".   (5)
    (3) What is Collection Framework? Explain List Interface with example.   (4)

Q.6 Attempt the Following Questions: **(14)**

    (1) What is an Applet? Explain Applet life cycle with examples   (7)
    (2) What is Layout Manager? Explain Any Three Layout with examples.   (7)

OR

Q.6 Attempt the Following Questions: **(14)**
    (1) Explain any five components of AWT with examples.   (7)
    (2) What is a Thread? Explain Thread life cycle and Thread priority   (7)

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