

SEARCH VIT QUESTION PAPERS ON TELEGURAN TO JOIN

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING Continuous Assessment Test - I

FALL SEMESTER 2019-20

Course Name: Class Numbers: Slot: A1+TA1

Java Programming 1242/1249/1832/3606/4115/6680/ 7429 Exam Duration:90 Minutes

Maximum Marks: 50

Code: CSE1007

Answer All The Questions (5 * 10 = 50 Marks)

La Given a positive integer n. Write a program using java to print the pyramid pattern as described in the example

Input: n = 5 Output: 3+2 4.5.6 10*9*8*7

11*12*13*14*15

1. b. Write a Java Program that reads a set of integers, and then prints the sum of the even and odd integers. [5 Marks] Input: 3 4 5 2 1 Output: Sum of even numbers = 6 Sum of odd numbers = 9

2. Differentiate between StringBuffer and StringBuilder in Java programming using suitable examples. [10 Marks]

3. Create an employee class with employ id, name and sallary as members and initialize the values using default and parameterized constructors. Also create an array of employee objects of size three in main method and print the total salary of all three employee through a method defined in the class by passing this array as an argument. [10 Marks] 4. Write a Java program to accomplish the following process:

Define a class Account with accountNumber and balance as members. Develop methods to get and set value for members and print the account details.

Define two classes Savings Account and Current Account which derive the account Number class. Both classes having member minBalance. Design Getter methods and setter methods for theses two classes.

c. Define method Deposit which allows to add money into balance.

d. Also, design method WithDraw which allows deducting money from the balance and making sure that after withdrawal the minimum balance should be maintained.

e. Print details after every transaction.

f. Create a class Demo to test the above process. Create necessary array of objects, call the required methods and give necessary outputs.

5. a. Explain how to create packages using suitable example

[5 Marks]

5. b. Explain ArithmeticException and ArrayIndexOutOn ounds Exception with the program.

[5 Marks]