

JK Lakshmipat University, Jaipur
INSTITUTE OF ENGINEERING AND TECHNOLOGY
End Term Examination, May 2022
Bachelor of Computer Application, Semester II

Subject: Java Programming (CS1118)

Roll No.....

Time: 2 hours

Max. Marks: 20

Instructions to students:

1. Do not write anything other than your roll number on the question paper.
2. Assume suitable data wherever required and mention it clearly.

Q. 1	Accept 8-digit number. Separate 8 digits into 4 parts. Display appropriate message in case of number with less digits. Two digits starting from left in one variable. For example: Input: 31245690, a=31, b=24, c=56, d=90. Print which number is largest. Divide each number by 2, take integer part and create a new number again as abcd.	04 CO1
Q. 2	Write a program to print the area of a rectangle by creating a class named 'Area' having two methods. First method named as 'setDim' takes length and breadth of rectangle as parameters and the second method named as 'getArea' returns the area of the rectangle. Length and breadth of rectangle are entered through keyboard.	04 CO2
Q. 3	Write a Java program that will accept an integer and convert it into a binary representation. Now count the number of bits which is equal to zero of the said binary representation. For example, 17 in binary is 10001 so count is 3 as binary value has 3 zeros.	04 CO3
Q. 4	Write a Java program that will find a Sum of Integer Values Passed as Command Line Parameters and handle number format exception.	04 CO4
Q. 5	Create a class named 'Shape' with a method to print "This is This is shape". Then create two other classes named 'Rectangle', 'Circle' inheriting the Shape class, both having a method to print "This is rectangular shape" and "This is circular shape" respectively. Create a subclass 'Square' of 'Rectangle' having a method to print "Square is a rectangle". Now call the method of 'Shape' and 'Rectangle' class by the object of 'Square' class.	04 CO5