322553(22)

B. E. (Fifth Semester) Examination,
April-May/Nov.-Dec. 2020

(New Scheme)

(CSE Engg. Branch)

PROGRAMMING in JAVA

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : *Part (a) of each unit is compulsory. Attempt any two parts from (b), (c) and (d). Question (a) carry 2 mark, and (b), (c) and (d) carries 7 marks.*

Unit-I

1. (a) What is JVM?   2

(b) Explain the following line used for java programs : 7

Public Static Void Main (String [ ]a)

(c) Specify code written below is correct or not? If yes what will be the output otherwise correct the code

Class Test {

    Public Static Void Main (String [ ] X) {

        System.out.println (disp());

    }

    int disp ( ) {

        return 10;

    }

}   7

(d) Discuss the Java operators which are not available in C++.   7

Unit-II

2. (a) What is the use of Super( )?   2

(b) Create a user defined Exception that can be used to prevent the users from entering non alphabets character. User defined exception name should be "No Alphabets Match Exception".   7

(c) (b) What is Interface? Differentiate interface and class. 7

(d) What will be the output of following code alse explain the code.   7

Public class Demo

{

    try

    {

        system.out.println ("1");

        int sum = 19/0;

        system.out.println ("2");

    }

    Catch (Arithmetic Exception e1)

    {

        system.out.println("z");

    }

    Catch (Excetion e2)

    {

        system.out.println ("4");

    }

    finally

    {

    }

    system.out.println ("5");

}

Unit-III

3. (a) What is Daemon Thread?   2

(b) Write a program to demonstrate notify ( ), wait ( ) and joint ( ).   7

(c) Write a program in java to find first non repeating character in given string.   7

(d) Write a java program to create a file in local disk with facilities to add and delete records.   7

Unit-IV

4. (a) What is an Applet?   2

(b) What are the various types of JDBC drivers.   7

(c) What are sockets in Java? Explain using java program the use of TCP and UDP sockets to send and receive data.   7

(d) Explain event delegation model with suitable java program.   7

Unit-V

5. (a) What is AWT?   2

(b) Write a program to add 2 numbers using swing. Take input from the user.   7

(c) Explain layout manager in brief with suitable example.   7

(d) Explain the steps to create on RMI application that can be use to communication with different computer systems.   7