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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.printin (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) 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