

Reg. No

Name

22U356

BCA DEGREE END SEMESTER EXAMINATION : OCTOBER 2022

SEMESTER 3 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY

COURSE : 19U3CRBCA11 - PROGRAMMING IN JAVA

(For Regular - 2021 Admission and Improvement / Supplementary - 2020 Admission)

Time : Three Hours

Max. Marks: 75

PART A

Answer All (1 mark each)

1. List out any 3 three examples of event.
2. Define package.
3. List out three Java variables.
4. Write a sample code to create a statement object using JDBC.
5. Write the syntax to extend more than one interfaces by another interface.
6. Define the purpose of event listener.
7. Main advantage of Inheritance is -----.
8. Write the package name in which JDBC classes are defined.
9. How does an AWT component Frame make visible?
10. Define class.

(1 x 10 = 10)

PART B

Answer any 8 (2 marks each)

11. Write a code to find the sum of the elements of an array.
12. List out the rules for creating a constructor.
13. List out the minimum packages to be imported in an Applet program.
14. Write the output of the following. `int x=10; System.out.println(x++); System.out.println(++x);`
15. Define the types of ResultSet.
16. Define the term Architectural-neutral.
17. Distinguish between CheckBox and ComboBox.
18. Define the usage of Method Overriding.
19. Write the syntax and sample code for creating an interface.
20. Final method prevents the method overriding. Justify.

(2 x 8 = 16)

PART C

Answer any 5 (5 marks each)

21. Write a program to read the contents from a byte stream file.
22. Multiple inheritance in Java is possible by Interface. Prove this.
23. Define public static void main (String args[]).
24. ODBC is database-dependent while JDBC is database-independent. Justify

25. Discuss about the advantages of multithreading.
26. Multiple inheritance is not directly supported in java. Why?
27. Create a program to demonstrate single inheritance.

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. Write a JDBC program to update and display the student details.
29. Discuss about multi-dimensional array. Write a program to demonstrate matrix multiplication.
30. Create an event based applet program to create a calculator.
31. Explain the ways to implement multiple inheritance in Java and create a program to demonstrate multiple inheritance using that ways.

(12 x 2 = 24)