B.Sc DEGREE (CBCS) SPECIAL REAPPEARANCE EXAMINATIONS, MARCH 2024

Fifth Semester

CORE COURSE - CS5CRT14 - JAVA PROGRAMMING USING LINUX

Common to B.Sc Computer Applications Model III Triple Main, B.Sc Computer Science Model III, B.Sc Information Technology Model III & Bachelor of Computer Application

2021 Admission Only

5F3F58A5

Time: 3 Hours   Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Describe the different forms of comment lines used in Java.

2. Differentiate between prefix ++ and postfix++ with an example.

3. What is the use of this keyword?

4. What are constructors?

5. What are the significance of inheritance?

6. What is two dimensional array?

7. What is the use of throw statement?

8. Define Jlabel and Jbutton in Java.

9. Define WindowEvent Class.

10. What are the differences between JTextField and JTextArea?

11. What is a local applet?

12. Differentiate between drawArc() and fillArc() methods.

                                                                                   (10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Write a Java program to implement switch case structure.

Explain the use of jump statements with examples.

15. How will you declare metnods in Java?

16. What is method overriding?

17. What is an array and explain types of arrays with examples?

18. Explain how threads are created using Runnable interface.

19. Describe Border Layout. Define its constructors and methods.

20. Write an applet that receives to integer values as input and display the sum.

21. What are JDBC statements?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain the features of Java.

23. With examples explain interfaces.

24. Define user defined packages. What are te steps involved in creating & using packages with example?

25. Explain Swing and its components.

(2×15=30)