B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, OCTOBER 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

2017 Admission Onwards

77563992

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Define the term polymorphism.

2. Differentiate between numeric literal and non numeric literal.

3. Define a class.

4. Write a short note on single inheritance.

5. What are final variables?

6. What is the use of Packages in Java?

7. Explain newborn state of a thread.

8. What is Deligation event model?

9. Diffrentiate between swing and Jpanel.

10. Define Null Layout.

11. Describe the arguments used in the method draw RoundRect().

12. Write note on JDBC-ODBC Bridge driver.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain primitive datatypes.

14. Explain looping statements with example.

15. How will you access class members using objects? Give example.

16. Write a note on constructors.

17. What are different ways to create String Object?

18. Explain different types of built-in exceptions.

19. Explain components of a Swing.

20. Discuss various sections of web page.

21. How parameters can be passed to applet using tags?

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Illustrate the use of different operators in Java.

23. With examples explain interfaces.

24. a)Differentiate between one-dimensional , two-dimensional arrays with appropriate syntax & examples b)Write a Java program to sort numbers & sort names in 2 different arrays.

25. Differentiate between the following (a) JCheckBox and Jradiobutton (b) Jlist and JComboBox.

(2×15=30)