20100314

**QP CODE: 20100314**

**Reg No : .....**

**Name : .....**

# BSc DEGREE (CBCS ) EXAMINATION, FEBRUARY 2020

## Fifth Semester

## Core Course - CS5CRT14 - JAVA PROGRAMMING USING LINUX

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

C8B6E3EF

Time: 3 Hours Maximum Marks :80

### Part A

*Answer any **ten** questions.*

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

1. Differentiate between the operators & and &&.
2. Write the syntax of switch case structure.
3. Define classes and objects.
4. Why multiple inheritance is not supported in Java?
5. What is an abstract method?
6. Explain one dimensional array with example?
7. What is the use of Packages in Java?
8. Define a Swing.
9. Define ComponentEvent Class.
10. Diffrentiate between swing and Jpanel.
11. Discuss various steps involved in loading and running a remote applet.
12. Differentiate between drawRect() and fillRect() methods.

(10×2=20)

## Part B

*Answer any **six** questions.*

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

13. Explain the strucure of Java program.
14. Explain the use of nested loop with example.
15. What is the significance of constructor overloading?
16. How Java implements runtime polymorphism?
17. Explain throw, throws & finally with an example.
18. Explain how threads are created using Runnable interface.
19. Define an Event. List some of the Event Classes defined in Java AWT.
20. How to pass parameters to an applet? Explain with Example.
21. Briefly explain JDBC Architecture

(6×5=30)

## Part C

*Answer any **two** questions.*

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

22. Explain the history of Java programming language and the main characteristics of Java.
23. What is method overloading? Write a Java program to implement the method overloading mechanism.
24. Explain in detail about the various methods used for String manipulation. Also include an example program.
25. Explain Card Layout and Null Layout and its applications.

(2×15=30)