B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS, OCTOBER 2024

Third Semester

B.Sc Cyber Forensic Model III

Core Course - CF3CRT09 - LINUX AND JAVA PROGRAMMING

2019 Admission Onwards

A37F8EEC

Time: 3 Hours
Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is shell?

2. Explain about the file commands in Linux.

3. What is the syntax for creating a new user account on our Linux system?

4. What is ssh?

5. What is API? Name the default package used in java.

6. What is meant by default constructor?

7. Discuss about import keyword in Java.

8. What do you mean by run-time errors?

9. What is a thread?

10. Write down a simple Applet program to print "Happy Days " in the Applet window.

11. What are the parameters to be passed to create a Rectangle in an applet?

12. What are the uses of the method set Layout ()?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Differentiate local and global variables with example.

14. Explain pipe command with example.

15. Explain kill command. List out some of the reasons where we would like to terminate a process.

16. What do you understand RPM integrity?

17. Explain with an example how to represent an object in a class.

18. Explain about the methods of the File class.

19. Discuss about the class File Output Stream.

20. Discuss about the KeyEvent class.

21. Differentiate between AWT and Swing.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain various communication and scheduling commands in Linux.

23. Explain in detail about the servers (i)DHCP (ii)DNS.

24. Describe different types of inheritance with examples.

25. Discuss about Multithreading. Explain in detail about the life cycle of a thread with a neat diagram?

(2×15=30)