MSc DEGREE (CSS) EXAMINATION , JANUARY 2022

Second Semester

M.Sc.COMPUTER SCIENCE (DATA ANALYTICS)

CORE - CA030204 - PROGRAMMING WITH JAVA

2019 Admission Onwards

B1254A6E

Time: 3 Hours   Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. What is Byte Code?

2. What is platform independency?

3. Write a java program to implement multilevel inheritance concept.

4. What are parameterized constructors? Give example.

5. What is an interface? List the rules to create an interface in java with example

6. What do you meant by user-defined packages?

7. Define Thread class.

8. Explain the stop() method of Thread class.

9. What are the swing components?

10. What is a stream? How is the concept of Streams used in Java?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. What is an Array? Explain types of arrays in Java with example.

12. What is mean by OOP? Explain OOP Concepts?

13. Explain about the Dynamic Method Dispatch in Java with example program.

14. What is string? Explain the various string class constructors in Java.

15. What is nested try statement? Illustrate with example.

16. Write a java program to implement Mouse Events.

17. Explain the concept of adapter classes with an example.

18. Describe jdbc?

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Distinguish between Method Overloading and Method overriding with suitable examples.

20. Explain with suitable examples any 7 methods of StringBuffer class.

21. Explain in detail with example how to create user defined exception classes in Java.

22. Explain event handling with examples.

(2×5=10 weightage)