National College of Computer Studies
(NCCS-College of IT & Management)
Full Marks: 50
Time: 2hr 40 min
Final Examination (2023)

Set A

BCA/Third Semester/ CACS 204: OOP in Java

Candidates are required to answer the questions in their own words as far as practicable.

Group B

Attempt any SIX questions. [6×5=30]

2. Explain the Operators available in Java Programming.

3. Define Loop. Write a java Program to print first n prime numbers.

4. Define access modifier. Explain access modifiers in java with example.

5. What is JDBC? How do you execute SQL queries in JDBC?

6. Write a simple java program to read from and write to files.

7. Discuss border layout with suitable example.

8. Discuss any 5 exception classes in java.

Group C

Attempt any TWO questions. [2×10=20]

9. What is interface? How can you use the concept of interface to achieve multiple inheritances? Discuss with suitable example.

10. Write a program using swing components to multiply two numbers. Use text fields for inputs and output. Your program should display the result when the user presses a button.

11. a. Define thread. Explain the life cycle of thread

   b. Define Stream. Write a program in java to copy the content from one file to another.

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Set B

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Group B

Attempt any SIX questions. [6×5=30]

2. Define OOP. Explain features of object oriented programming language.

3. Explain different type of control statements used in Java.

4. Define the use of static Keyword. Write any four string methods used in java with example

5. Define super, final and this keyword in Java.

6. Define class. How do you create a class in Java? Differentiate class with interface.

7. Write a simple Java program that reads a file named "Test.txt" and displays its contents.

8. What are the benefits of using JDBC? What is prepared statement?

Group C

Attempt any TWO questions. [2×10=20]

9. What is exception handling? Discuss the use of each keyword (try, catch, throw, throws and finally) with suitable Java program.

10. Write a Java program to find the sum of two numbers using swing components. Use text fields for input and output. Your program displays output if you click button sum.

11. a. Define Multi-threading. Write a java program to show the inter-thread communication.

    b. Define Stream. Write a program in java to copy the content from one file to another.

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