



C20-AIM/CCB/CCN-404

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BOARD DIPLOMA EXAMINATION, (C-20)
OCTOBER/NOVEMBER—2023
DAIM – FOURTH SEMESTER EXAMINATION
JAVA PROGRAMMING

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Why is Java called platform independent?
2. What is the use of JVM?
3. Write the use of super keyword in Java.
4. What are jump statements in Java?
5. Distinguish between EnumSet and EnumMap.
6. Write any three methods in Data Input Stream and Data Output Stream.
7. List three keywords useful for exception handling in Java.
8. Write the difference between notify() and notify All().
9. What are the phases in applet life cycle?
10. Write different constructors in TextField.

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **eight** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. (a) Explain eight simple data types of Java.

(OR)

(b) Write a Java program to sort an array of names of persons in alphabetical order.

12. (a) Explain the method overloading in Java with example program.

(OR)

(b) Explain how to create and import packages in Java.

13. (a) Explain character stream classes.

(OR)

(b) Explain Map interface and HashMap Class with a program.

14. (a) Explain multi catch statements in Java with example program.

(OR)

(b) Explain thread creation in Java using runnable interface.

15. (a) Explain keyboard events with program.

(OR)

(b) Write a Java program to implement any four AWT controls.

PART—C

10×1=10

- Instructions :** (1) Answer the following question.
(2) The question carries **ten** marks.
(3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 16.** Write a program in Java by using control statements to implement basic calculator i.e., addition, subtraction, multiplication and division. Take two inputs through keyboard and display the output.

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