



44671/C0210

Reg. No.

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III Semester BCA .5 (CBCS) Degree Examination, March/April - 2023

JAVA PROGRAMMING

(Repeater)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates : All sections are compulsory.
Give examples wherever necessary.

SECTION - A

1. Answer any **TEN** of the following questions. (10×2=20)
- What is Java?
 - What is JVM?
 - What is a variable? Give example.
 - Define class and object.
 - What is Garbage collection?
 - State the use of 'static keyword'.
 - List any two packages of Java API.
 - State the use of 'final' keyword.
 - What is multithreading?
 - State any two classes used for file input and output.
 - Name any two methods of Graphic class.
 - What are command line arguments?

SECTION - B

Answer any **FOUR** questions.

(4×5=20)

- Explain features of Java.
- Explain any one looping statement in Java with syntax and example.
- Write a java program to demonstrate method overloading.
- Explain the concept of constructor.
- Explain various access modifiers used in Java.
- Explain applet life cycle.

[P.T.O.]

**SECTION - C**

Answer any **FOUR** of the following questions.

(4×10=40)

8. a. Explain any five string functions in Java.
b. Write a java program to demonstrate at least 5 string methods.
 9. a. Write a java program to demonstrate static variables, methods and blocks.
b. Explain the concept of interfaces in java.
 10. a. Explain the types of inheritances.
b. Write a program to demonstrate inheritance and use of 'super' keyword.
 11. a. Explain exception handling in java.
b. Differentiate between applets and applications.
 12. Write a short note on any two.
 - a. Method overriding.
 - b. Thread life cycle.
 - c. Constructor overloading.
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