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DCCA202

Reg. No.

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II Semester B.C.A.(Theory) Degree Examination, June/July - 2025

COMPUTER APPLICATIONS

Object Oriented Programming Using Java

(NEP Scheme (R))

Time : 2½ Hours

Maximum Marks : 60

Instructions to Candidates:

Answer all Sections.

SECTION - A

I. Answer any Four questions. Each question carries Two marks. (4×2=8)

1. What is Byte code? Justify how Java is platform Independent.
2. What is a variable? How to declare available in Java.
3. Define a package in Java? List any two packages of Java.
4. Define an Array? How to declare ID Array in Java.
5. What is the difference between string and string buffer classes in Java.
6. What are Java tokens? Give any two examples.

SECTION - B

II. Answer any Four questions. Each question carries Five marks. (4×5=20)

7. Explain the features of Java in detail.
8. Write the difference between method overloading and method overriding in Java.
9. Write any Five string methods with an examples in Java.
10. Explain with an example about try-catch-block.
11. Define Interface? Explain with an example.
12. Explain the usage of scanner class and its methods.

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SECTION - C

III. Answer any Four questions. Each question carries Eight marks. (4×8=32)

13. Define Inheritance? Explain the different types of Inheritance with an example?
14. Define a thread? Explain thread life cycle with need diagram.
15. Define Applet? Write the Applet life cycle with diagram and example.
16. Define a constructor? Write in detail different types of constructors in Java.
17. Write about AWT controls used in GUI.
18. Write about loop control structures in Java.