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DCCA212

Reg. No.

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**II Semester B.C.A. Degree Examination, June/July - 2025****COMPUTER APPLICATIONS****Object Oriented Programming Using JAVA****(SEP Semester Scheme Freshers)****Time : 3 Hours****Maximum Marks : 80****Instructions to Candidates:**

Answer All the Parts.

**PART - A**

- I. Answer any Ten questions. Each question carries 2 marks. (10×2=20)
1. What are data types?
  2. What is final class in Java? Give an example.
  3. What is a String Buffer Class in Java?
  4. What is an interface? Give an example.
  5. What are Packages? Mention any two packages.
  6. What is a file? Mention its operations.
  7. What is an event?
  8. What is layout manager in Java?
  9. Differentiate between Applets and Applications.
  10. What is Multithreading?
  11. What is Runnable Interface?
  12. Write any two features of Java Beans.

**[P.T.O.]**

## PART - B

II. Answer any Six questions. Each question carries 5 marks. (6×5=30)

13. Write the features of Java.
14. Explain switch case statement with syntax and example.
15. Explain method overriding with an example.
16. Write a note on character stream classes in Java.
17. Write a note on:
  - a) Radio Button
  - b) Text Areas
18. Explain character extraction with an example.
19. Briefly explain Creating and Extending Thread with an example.
20. Write a note on thread synchronization.

(3+2)

## PART - C

III. Answer any Three questions. Each question carries 10 marks. (3×10=30)

21. a) Explain the structure of Java program with an example. (5)  
b) Write a note on wrapper classes. (5)
  22. a) Write a note on visibility modes. (5)  
b) What is an Inheritance? Explain single inheritance with an example. (5)
  23. a) Explain mouse events with an example. (5)  
b) Explain life cycle of an applet with neat diagram. (5)
  24. a) Write a note on checked exceptions. (5)  
b) Write the importance of generic programming in Java. (5)
  25. a) Write a Java program to implement an array of objects. (5)  
b) Write a Java program to display all prime numbers between two limits. (5)
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