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DCCA212

Reg. No.

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II Semester B.C.A. Degree Examination, June/July - 2026**COMPUTER APPLICATIONS****Object Oriented Programming Using Java
(SEP Scheme F+R)****Time : 3 Hours****Instructions to Candidates:****Answer all the Parts.**

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Maximum Marks : 80**PART - A****I. Answer any Ten questions. Each question carries 2 marks.****(10×2=20)**

1. Define class and object.
2. What is a keyword? Mention four keywords of Java.
3. What is an array? How do you create in Java.
4. What is the use of super keyword in Java?
5. What are the key characters of an interface?
6. What is a stream? Give an example.
7. What is Abstract Window Toolkit (AWT) in Java?
8. Define Applet.
9. What is frame in Java?
10. What is an exception handling?
11. Mention the different types of creating thread?
12. Define JavaBean.

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

13. Explain the structure of Java program with an example.

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14. What is string? Explain concat () Substr (), equals () and length () methods of string class?
15. Write a Java program to demonstrate method overloading.
16. What are the different types of packages in Java? Explain with an example.
17. Write a note on:
 - a) Scrollbar
 - b) Checkbox.
18. Explain the life cycle of an Applet.
19. Compare Multitasking and Multithreading.
20. Explain the features of generic programming.

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PART - C

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

21. Explain the features of Java in detail. (10)
 22.
 - a) What is an Inheritance? Explain multilevel inheritance with an example. (5)
 - b) Write a Java program to find the factorial of a number using command line arguments. (5)
 23.
 - a) Explain the standard input/output streams in Java with examples. (5)
 - b) Explain the components of event handling in Java. (5)
 24.
 - a) Explain the usage of try-catch-finally blocks with an example. (5)
 - b) Explain the life cycle of thread with a neat diagram. (5)
 25.
 - a) What is Java security manager? Explain its features. (5)
 - b) Write a Java program to check whether the number is even or Odd. (5)
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