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SDCCA-301

III Semester B.C.A./B.C.A.(DS) Degree Examination,
December/January - 2025/26
(SEP Scheme Freshers)
COMPUTER APPLICATIONS
Object Oriented Concepts Using Java
Paper - CA3T1

NEW HORIZON COLLEGE LIBRARY KASTURINAGAR BANGALORE-43

Time : 3 Hours **Maximum Marks : 80**

Instructions **:**

Answer All the Sections.

SECTION - A

I. Answer any Ten questions. Each question carries 2 marks. (10×2=20)

1. What are the two types of Java program?
2. What is a token? Give an example.
3. Write the difference between prefix and postfix increment.
4. Differentiate between object and classes.
5. What is method overloading?
6. Define String.
7. What is an interface?
8. Mention any two advantages of packages.
9. Differentiate between single and multithread.
10. What is an applet?
11. What is a file?
12. What is Stream Tokenizer?

[P.T.O.

SECTION - B

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

13. Discuss various data types available in Java.

14. Explain nested loop with an example.

15. Discuss different types of constructors with example.

16. Explain two dimensional array with an example.

17. Explain creating and implementing user defined packages.

18. Explain creating and extending thread with example.

19. Describe Applet life cycle model.

20. Write a note on character stream classes.

SECTION - C

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

21. a) Explain if-else statement with syntax and example. **(5)**
    b) Explain switch statement with an example. **(5)**

22. Write a program to calculate bonus for different departments using method overriding. **(10)**

23. a) Explain thread life cycle model. **(5)**
    b) Explain finally block with example. **(5)**

24. a) Write an applet program to find the sum of two integers using user input. **(5)**

    b) Discuss the following graphics class:
    i) Circle
    ii) Ellipse. **(5)**
