



K22U 3586

Reg. No. :

Name :

**Third Semester B.C.A. Degree (CBCSS – OBE – Regular /Supplementary/
Improvement) Examination, November 2022
(2019 Admission Onwards)
Core Course
3B07BCA : JAVA PROGRAMMING**

Time : 3 Hours

Max. Marks : 40

SECTION – A

Answer all the questions.

(6×1=6)

1. Explain the use of 'new' operator with example.
2. What is a constructor ?
3. What is the difference between static method and instance method ?
4. What is an identifier ? Write the syntax to declare and initialize a string identifier.
5. Differentiate between thread and process in Java.
6. Define the keyword 'super'.

SECTION – B

Write short notes on any six of the following questions.

(6×2=12)

7. Explain the types of casting in Java with example.
8. Explain the contexts where the keyword final is used.
9. Write a short note on applet life cycle.
10. Differentiate between method overloading and method overriding.
11. Explain the decision-making statements in Java with syntax and example.

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12. Explain the use of 'this' keyword in Java with an example.
13. Differentiate between byte stream and character stream in Java.
14. What do you mean by nested class? Illustrate with example.

SECTION – C

Answer **any four** of the following question.

(4×3=12)

15. What is an abstract class ? Illustrate through an example.
16. With the help of program snippet, define the steps to create and import a user defined package in Java.
17. Explain break and continue statements with example.
18. What is inheritance ? Explain different types of inheritance in Java with example.
19. Java Development is best for enterprise applications. Justify the statement.
20. What are the different states in life cycle of thread in Java ?

SECTION – D

Answer **any two** of the following question.

(2×5=10)

21. What is exception ? How are expectations handled in Java ? Explain with suitable example.
22. Explain input-output streams in Java with example.
23. What is multilevel inheritance ? Write a program to illustrate multilevel inheritance.
24. Write a program to copy the contents of a file to another.