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Name.....

Reg. No.....

**FIFTH SEMESTER (CBCSS-UG) DEGREE EXAMINATION
NOVEMBER 2022**

B.C.A.

**BCA/BCS 5B 08—JAVA PROGRAMMING
(2019 Admission onwards)**

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type Questions)

Answer all questions.

*Each correct answer carries a maximum of 2 marks.
Ceiling 20 marks.*

1. What is polymorphism ?
2. What is a class ? How it is declared ?
3. What is mean by state in OOPS ? Explain.
4. What is Java Virtual Machine in Java ?
5. What is the use of break Statement in Java ? Explain.
6. Explain nested classes in Java.
7. How to create a File Object ?
8. What is Processes ? Explain.
9. What are the different required Steps for create a new Database using JDBC application.
10. When an exception occurs but not handled by the catch block. What can we do ?
11. What is FontMetrics ?
12. What is an event classes in AWT ? Explain ActionEvent.

Section B (Short Essay Type Questions)

Answer all questions.

*Each correct answer carries a maximum of 5 marks.
Ceiling 30 marks.*

13. Compare between procedural and object oriented programming.
14. Explain the Exception Hierarchy in java.

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15. What is a method? What are the difference between the paint() and repaint() methods?
16. List the applications of object oriented programming.
17. How to create and use a Graphics in Java program? Write a program to draw a Polygon.
18. Write a java program to perform different types of Exception Handling.
19. Java Program to find second largest number in an array of n numbers.

Section C (Essay Type Questions)

Answer any **one** question, correct answer carries 10 marks.
Ceiling 10 marks.

20. (a) Discuss about anonymous inner classes with suitable example. (5 marks)
(b) How to handle multiple catch blocks for a nested try block? Explain with an example. (5 marks)
21. Write a note on :
(a) File Class. (3 marks)
(b) Buffered Streams. (3 marks)
(c) Dynamic method dispatch and its advantages. (4 marks)