

B.C.A. DEGREE EXAMINATION, NOVEMBER 2018
III Year V Semester
Core Major- Paper IX
PROGRAMMING IN JAVA

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Define Variables.
2. Define Operators.
3. What is Classes?
4. What is Inheritance?
5. Write a note on Multi-threading.
6. What is Packages?
7. Define Applets.
8. Write any two types of Strings.
9. Expand AWT.
10. Write any two AWT controls.
11. What is a lexical issue?
12. Define Data types.

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Explain about Object oriented concepts in detail.
14. What is Abstract class? Explain about super abstract class in detail.
15. Write a short note on Exception handling .
16. Discuss about File Streams in detail.
17. Explain about Working with windows using AWT classes.
18. Write short notes on features of Java.
19. What is Thread? Explain how to synchronize the thread.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Explain about Control statements with example in detail.
21. What is Constructors? Explain about Overloading method in detail.
22. Discuss about Deadlock in detail.
23. Describe about Java utilities in detail.
24. Explain about Layout managers and menus in detail.

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