

B. A. DEGREE (C.B.C.S.S) EXAMINATION, JANUARY 2019
(2016 Admission Supplementary)
SEMESTER V - CORE COURSE (COMPUTER APPLICATIONS)
CAC5B11B - JAVA PROGRAMMING

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer all questions. Each question carries 1 marks **(6x1=6)**

1. Write the value of a after shift operation `int a=32; a=a>>2;`
2. What is an access specifier?
3. Explain garbage collection?
4. What is context switching?
5. What is a Component class?
6. What is Resultset?

Part B

II. Answer any Seven questions. Each question carries 2 marks **(7x2=14)**

7. Explain Java Interpreter.
8. What is the difference between `&` and `&&`?
9. What do you mean by NULL references?
10. Write the effects of access specifiers.
11. Can a catch block be overloaded?
12. What is synchronization? How do we achieve it?
13. Write a method to fill a circle with blue color.
14. Explain `paint ()` in applet.
15. What is a JButton in Swing?
16. What is Light Weight Component?

Part C

III. Answer any Five questions. Each question carries 6 marks **(5x6=30)**

17. What is precedence and associativity?
18. Differentiate Type Casting and Conversion.
19. Differentiate between String and StringBuffer Class.
20. Differentiate between Abstract Class and Interface.
21. What is the difference between extending a class and implementing interface?
22. Explain inter thread communication
23. Explain Applet Life cycle with E.g.
24. Explain advantages of Swing.

Part D

IV. Answer any Two questions. Each question carries 15 marks **(2x15=30)**

25. Discuss different iterative and jump statements in java.
26. What is a constructor? Explain its Types.
27. What is an Exception? Give different types of exception that could occur during Runtime.
28. Design a java program to create login form using AWT Components? Explain Label, Button And TextField Controls in AWT.