

D 70187

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Name.....

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2019

(CUCBCSS-UG)

B.C.A.

BCA 5B 07—JAVA PROGRAMMING

(2017 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 1 mark.

1. Expand JDK.
2. What is a thread ?
3. What is a byte code ?
4. Explain AWT.
5. What is a final variable ?
6. Define Interface.
7. What is the use of paint() method ?
8. Which is the automatically imported package to a Java program ?
9. How can we achieve polymorphism in Java ?
10. What do you mean by delegation event model ?

(10 × 1 = 10 marks)

Part B

Answer all questions.

Each question carries 2 marks.

11. Write any four methods of file class.
12. How can we use arrays in Java ?
13. Write about Applet Skeleton.
14. Write a program to print the factorial of a given number using object and class.
15. Which are the steps to create packages in Java.
16. Define constructor. Explain with example.
17. Which are the graphics methods to draw a line and rectangle ?
18. Syntax of throws statement.

(8 × 2 = 16 marks)

Turn over

Part C

*Answer any six questions.
Each question carries 4 marks.*

19. Explain about the visibility control in Java.
20. With suitable examples, explain the difference between method overriding and method overloading.
21. Explain the lifecycle of thread.
22. Explain about the classes inside classes.
23. Write a program to find the sum of n numbers in Java.
24. What is JDBC ?
25. Difference between Procedural and Object Oriented Programming.
26. Create a window having checkbox menu items in its menu.
27. How can we create user defined exception classes ?

(6 × 4 = 24 marks)

Part D

*Answer any three questions.
Each question carries 10 marks.*

28. Explain inheritance in Java.
29. Explain exception handling mechanism in Java.
30. How can we create a thread in Java ? Explain with example.
31. What is an applet ? Explain its working with examples.
32. Write a program to add two matrices by accepting the values through keyboard.

(3 × 10 = 30 marks)