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Name.....

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS—UG)

B.C.A.

BCA 5B 09—JAVA PROGRAMMING

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 1 mark.

1. What is the size of a char data type ?
2. What will be generated after the successful compilation of source code ?
3. Which is the first method called by an applet ?
4. Expand AWT.
5. Expand JDK.
6. Which is the base class of Exception ?
7. Which built-in Exception will be thrown when a number is divided by zero ?
8. How will you give comments in Java ?
9. List the different types of literals in Java.
10. What is the method used by applet to display text and message ?

(10 × 1 = 10 marks)

Part B

Answer all questions.

Each question carries 2 marks.

11. What is event handling ?
12. What are character stream classes ?
13. Name the various Layout managers.
14. What is the purpose of import statement ?
15. What is dynamic method dispatch ?

(5 × 2 = 10 marks)

Turn over

Part C

Answer any five questions.

Each question carries 4 marks.

16. Explain the working of while and do..while with syntax and example.
17. Briefly explain the JDBC components.
18. Explain the AWT controls Button and TextField with their constructors.
19. Write a simple applet program to display a string "Welcome to Java".
20. Explain single inheritance with an example.
21. Explain various data types used in Java.
22. Write short notes on socket programming.
23. Write a program to find the sum of two numbers as command line arguments.

(5 × 4 = 20 marks)

Part D

Answer any five questions.

Each question carries 8 marks.

24. Explain switch case structure in Java with example.
25. Briefly explain exception handling mechanisms in Java.
26. Explain the features of object oriented programming.
27. Explain how you will pass parameters to applets with an example.
28. Explain in detail, the life cycle of a thread.
29. Explain various event classes and event listener interfaces in Java.
30. Explain the steps for creating a Package and create a user defined package.
31. Differentiate method overloading and method overriding with examples for each.

(5 × 8 = 40 marks)