D 11204

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Name..................................

Reg. No..............................

FIFTH SEMESTER B.C.A. DEGREE EXAMINATION, NOVEMBER 2016

(CUCBCSS–UG)

BCA 5B 09—JAVA PROGRAMMING

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.
Each question carries 1 mark.

1. In Java size of an *int* type data is ————.

2. JVM stands for ————.

3. The wrapping up of data and functions into a single unit is known as ————.

4. ———— is used to inherit the features of one class to another.

5. ———— method is used to kill a thread.

6. When a method cannot handle an exception that is generated in it, the method must declare it using ———— keyword.

7. ———— is a method define on java.util. Enumeration interface.

8. ———— is a general purpose class for accessing the attributes of a remote resource.

9. The class Applet belongs to ————package.

10. ———— method returns the current label associated with a checkbox.

(10 × 1 = 10 marks)

Part B

Answer all questions.
Each question carries 2 marks.

11. What is Byte code ?

12. What is the importance of *static* keyword in Java ?

13. What is Daemon thread ?

14. List any two constructor of java.util.Vector class.

15. What is the difference between the Font and FontMetrics classes ?

(5 × 2 = 10 marks)

Turn over

Part C

Answer any five questions.
Each question carries 4 marks.

16. Write short note on shift operators with example.

17. What is meant by nested if ? Explain with an example.

18. Differentiate method over loading and method over ridding.

19. Differentiate class and interface. Write suitable examples.

20. What is thread ? What are three ways in which a thread can enter the waiting state ?

21. Write a Java program to copy one file to another.

22. Write short note on ResultSet Interface.

23. Write a java applet program to draw five concentric circles.

(5 × 4 = 20 marks)

Part D

Answer any five questions.
Each question carries 8 marks.

24. Explain looping structure in Java with suitable example.

25. Explain different operators used in Java.

26. Explain different access levels in Java.

27. What is inheritance ? Explain various types of inheritance supported by Java.

28. What is Exception ? Explain with an example, how java handle exceptions.

29. What is JDBC ? What are the different components of JDBC.

30. Explain any four layout managers in Java.

31. Explain any eight methods in Graphics class.

(5 × 8 = 40 marks)