FIFTH SEMESTER B.C.A. DEGREE EXAMINATION, NOVEMBER 2021
(CUCBCSS-UG)
CC15U BCA5 B09 - JAVA PROGRAMMING
(Computer Application – Core Course)
(2016 Admission - Supplementary)

Time: Three Hours   Maximum: 80 Marks

Part A
Answer *all* questions. Each question carries 1 mark.

1. An abstract class cannot have non-abstract methods. State True or False.

2. _____ is a concept in OOP which hides unimportant implementation details from other objects.

3. _____ is a mechanism by which a call to overridden methods is resolved at runtime rather than compile time.

4. Upper case and lower case of the same letter are treated different in Java. Thus, Java is case _____

5. _____ is the top most class in java exception hierarchy.

6. Predefined streams are available in_____ class.

7. The interpreter of Java is called JVM. Its full form is _____

8. An uncaught exception is an exception that occurs for which there are no matching _____ blocks.

9. Use of _____ statement creates an unconditional jump within program.

10. A class has always a constructor (possibly automatically supplied by the java compiler). State True or False

(10 × 1 = 10 Marks)

Part B
Answer *all* questions. Each question carries 2 marks.

11. Explain byte code?

12. Define constructors?

13. Define exception?

14. What is streams?

15. Write a short note on features of oops?

(5 × 2 = 10 Marks)

Part C

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

16. Explain the syntax of break and continue.

17. Discuss overriding with example.

18. What are arrays? Discuss how one and two-dimensional arrays are initialized in java.

19. What you mean by applet? Explain its uses?

20. Explain use of super keyword with a suitable example.

21. Discuss the uses of throw and throws with examples.

22. Explain the uses of File class. Write a program to copy a file to another file.

23. Explain: (a) Checkbox (b) Text Area (c) Button.

(5 × 4 = 20 Marks)

Part D

Answer any *five* questions. Each question carries 8 marks.

24. Explain different types of branching and looping statements in java.

25. What is mean by inheritance? Explain different types of inheritance with suitable examples.

26. What is mean by Layout manager? Discuss different Layout managers available in awt.

27. Discuss the lifecycle of an applet in detail.

28. Explain in detail how connections are established using JDBC. Discuss different statement interfaces available in JDBC.

29. What is an exception? Explain with an example, how java handle exception.

30. What are Interfaces? How interfaces can be inherited in java?

31. Write a note on Packages?

(5 × 8 = 40 Marks)

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