

16U538

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Name:

Reg. No.

FIFTH SEMESTER B.C.A. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS-UG)

CC15U BCA5 B09 - JAVA PROGRAMMING

(Computer Application - Core Course)

(2015-Admission onwards)

Time: Three Hours

Maximum: 80 Marks

Part A

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

1. The modulus operator can be used for floating point datatypes. State True or False.
2. _____ is a highly optimized set of instruction generated out of java source file after interpretation of a program.
3. _____ is a mechanism by which a call to overridden methods is resolved at run time rather than compile time.
4. _____ is the package that is automatically imported in java.
5. _____ is the top most class in java exception hierarchy.
6. Predefined streams are available in _____ class.
7. _____ is a dynamic array.
8. _____ is a collection class which store key value pairs where key and values are strings.
9. _____ is a passive control.
10. The class Applet belongs to _____ package.

(10 x 1 = 10 Marks)

Part B

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

11. Differentiate between JVM and JDK.
12. Define constructors.
13. What are Wrapper class?
14. What is BufferedReader?
15. Write a short note on socket.

(5 x 2 = 10 Marks)

Part C

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

16. Explain the syntax of switch.
17. Discuss overloading with example.
18. What are arrays? Discuss how one and two dimensional arrays are initialized in java.
19. Discuss about parameter passing mechanism of java.
20. Explain Thread synchronization with suitable examples.
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. Discuss the role of Adapter in event handling.

(5 x 4 = 20 Marks)

Part D

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

24. Explain different types of operators 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. What is the use of applet class? Write a program to draw a rectangle and a circle where the dimensions are passed as the parameters.
28. Explain in detail how connections are established using JDBC. Discuss different statement interfaces available in JDBC.
29. Explain different ways to create Threads in Java. Give suitable examples.
30. What are interfaces? How interfaces can be inherited in java?
31. Write a note on Collections Framework.

(5 x 8 = 40 Marks)
