

D 50633

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Name.....

Reg. No.....

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCBCSS—UG)

Computer Science

BCS 5B 09—JAVA PROGRAMMING

Time : Three Hours

Maximum : 80 Marks

Part A

Answer all questions.

Each question carries 1 mark.

1. In OOP, data and methods are enclosed in a _____.
(a) Package. (b) Object.
(c) Class. (d) None of the above.
2. Which property enables the use of predefined code in OOP ?
(a) Encapsulation. (b) Abstraction.
(c) Inheritance. (d) Polymorphism.
3. Which of the following is not a primitive data type ?
(a) Boolean. (b) Byte.
(c) String. (d) Double.
4. Subclass is also called as _____.
(a) Base class. (b) Superclass.
(c) Derived class. (d) None of the above.
5. If a class declared as _____, it cannot be inherited.
(a) Abstract. (b) Final.
(c) Extends. (d) None of these.
6. _____ is not a valid jump statement in Java.
(a) Return. (b) Goto.
(c) Continue. (d) Break.
7. Which of the following doesn't have a superclass ?
(a) System. (b) Object.
(c) Forname (). (d) Exception.

Turn over

8. Which one is not a method of class object ?
- (a) toString () (b) getClass().
- (c) Extends. (d) None of these.
9. NextInt() method belongs to the class _____.
- (a) Math. (b) Random.
- (c) Integer. (d) Number.
10. When we invoke the repaint() method for a component, the AWT invokes which of the following methods ?
- (a) Draw(). (b) Show().
- (c) Update(). (d) Paint().

(10 × 1 = 10 marks)

Part B

Answer all questions.
Each question carries 2 marks.

11. What is type casting ?
12. What is this operator ?
13. What is a thread ?
14. Differentiate between equals() and ==.
15. What is a byte stream ?

(5 × 2 = 10 marks)

Part C (Short Essays)

Answer any five questions.
Each question carries 4 marks.

16. What are the uses of super keyword?
17. Write a java program to implement multilevel inheritance
18. With example, explain parameter passing mechanism to Java.
19. How event handling is done in Java ?
20. Explain Applet skeleton with example.
21. Explain try—catch—finally statement.
22. Write the syntax of switch statement with example.
23. Explain SQL Exception class.

(5 × 4 = 20 marks)

Part D (Essays)

Answer any five questions.

Each question carries 8 marks.

24. Explain Transaction Management.
25. Explain user defined exception with an example.
26. Explain Command Line Arguments with an example.
27. Explain object and class concepts in Java.
28. Explain with example method overloading and constructor overloading.
29. What is an array ? What are the types of array supported in Java ?
30. What is inheritance ? Explain the different forms of inheritance.
31. Differentiate between Flowlayout, BorderLayout and GridLayout.

(5 × 8 = 40 marks)