

**Indian Institute of Information Technology Sri City, Chittoor**  
**Object Oriented Programming Scheduled Quiz I**  
**SET A**

**Maximum Marks: 15**

**Date: 03/09/2024**

**NAME:----- Roll No.----- Section :**

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**Instructions :**

1. Write your name, roll no and Section in the space given above
2. Choice of the Answers should be filled **ONLY** in the table given at the end of the questions.
3. Overwritten or illegible answers **will not be considered** for evaluation.

**Answer All Questions:**

1. Which of the following statements is/are TRUE in JAVA?
  - a. It is an error to reassign values to final variables
  - b. It is an error to reassign values to static variables
  - c. Both A & B
  - d. None of the Above
2. Which of the following is/are TRUE in JAVA:
  - a. Private variables have package access
  - b. Static variables can be accessed by non static member functions directly
  - c. Both A & B
  - d. None of the above
3. What is/are responsible for platform independence in Java:
  - a. Java Virtual Machine
  - b. Byte code generation
  - c. Both A & B
  - d. None of the above
4. Which keyword can be used to add a class to an existing package
  - a. Package
  - b. This
  - c. Both A & B
  - d. None of the Above
5. Which of the following is an example of polymorphism in Java
  - a. Having many constructors for a given class
  - b. Defining object of a class
  - c. Both A & B
  - d. None of the Above
6. Which is the most restrictive and less restrictive access modifier in Java?
  - a. private, protect
  - b. private, public
  - c. default, public
  - d. protect, default
7. Select only true statements from the following statements.
  - (i) An instance variable is a variable whose separate copy is available to each object.
  - (ii) A class/static variable is variable whose single copy in memory is shared by all Objects
  - (iii) Instance variables are created in the objects on heap memory
  - (iv) Class variables are stored on method area
  - a. (i) and (ii)
  - b. (ii) and (iii)
  - c. (iii) and (iv)
  - d. All of the above

8. A final instance variable can be initialized
  - a. In its declaration
  - b. In an instance initialization block
  - c. In a constructor
  - d. In any of the above
9. Select appropriate option about the correctness of the following statements
  - i. Can we use access modifiers for constructors in Java?
  - ii. Constructor name and class name can be different in java?
  - iii. Can we overload constructors in java?
  - iv. Does a constructor have a return type?
  - a. Yes, No, Yes, No      b. Yes, Yes, No, No      c. No, Yes, No, Yes      d. No, No, Yes, Yes
10. Which of the following is the correct syntax to take a character input from a user using a Scanner class object Sc.
  - a. Sc.nextChar()
  - b. Sc.nextLine()
  - c. Sc.next();
  - d. Sc.next().charAt(0)
11. Which of the following statements are correct?
  - I. JVM is responsible for converting bytecode into machine code.
  - II. JDK includes both a compiler and a runtime environment.
  - III. The primary function of JRE is Execution
  - a. I & II    b) II & III    c) all of them    d) none of them    e) I & III
12. Which of the following statements are wrong?
  - I. constructor name and class name can be different in java.
  - II. constructors can not be overloaded in java.
  - III. constructors return integer data types.
  - a. I & II    b. II & III    c. all of them    d. none of them    e. I & III
13. Which of the following statements are incorrect?
  - a. static methods can call other static methods only
  - b. static methods must only access static data
  - c. static methods can not refer to this or super in any way
  - d. when object of class is declared, each object contains its own copy of static variables
14. Which keyword is used to define a constant variable in Java?
  - a. Final
  - b. Static
  - c. Const
  - d. this
15. Which of the following is not a Java feature?
  - a. Dynamic
  - b. Architecture Neutral
  - c. Use of pointers
  - d. Object-oriented

**Answers:**

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
a	b	c	a	a	b	d	d	a	d	c	c	d	a	c