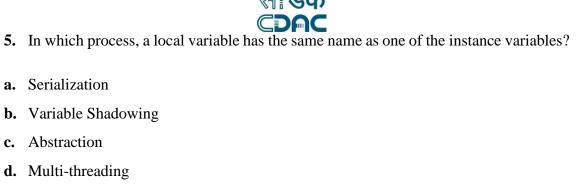
Concepts of Programming

<u>Set – 1</u>

- 1. Which of the following option leads to the portability and security of Java?
- a. Bytecode is executed by JVM
- **b.** The applet makes the Java code secure and portable
- c. Use of exception handling
- d. Dynamic binding between objects
- 2. Which of the following is a valid declaration of a char?
- **a.** char ch = '\utea';
- **b.** char ca = 'tea';
- **c.** char cr = $\u0223$;
- **d.** char cc = ' itea';
- **3.** Evaluate the following Java expression, if x=3, y=5, and z=10:

$$++z + y - y + z + x++$$

- **a.** 24
- **b.** 23
- **c.** 20
- **d.** 25
- **4.** Which of the following for loop declaration is not valid?
- a. for (int i = 99; i >= 0; i / 9)
- b. for (int i = 7; $i \le 77$; i + 7)
- c. for (int i = 20; i >= 2; --i)
- d. for (int i = 2; $i \le 20$; i = 2*i)



6. What is meant by the classes and objects that dependents on each other?



- **b.** Cohesion
- c. Loose Coupling
- **d.** None of the above
- 7. What do you mean by nameless objects?
- An object created by using the new keyword.
- **b.** An object of a superclass created in the subclass.
- **c.** An object without having any name but having a reference.
- **d.** An object that has no reference.
- **8.** Which of these is an incorrect array declaration?
- int arr[] = new int[5]
- **b.** int [] arr = new int[5]
- **c.** int arr[] = new int[5]
- **d.** int arr[] = int [5] new
- **9.** Which of these is necessary to specify at time of array initialization?
- Row
- **b.** Column
- c. Both Row and Column
- d. None of the mentioned



- 10. What is the range of byte data type in Java?
 - a. -128 to 127
 - b. -32768 to 32767
 - c. -2147483648 to 2147483647
 - d. None of the mentioned
- 11. From where break statement causes an exit?
 - **a.** Only from innermost loop
 - **b.** Terminates a program
 - c. Only from innermost switch
 - **d.** From innermost loops or switches
- **12.** Given that Student is a class, how many reference variables and objects are created bythe following code?

Student studentName, studentId; studentName = new Student(); Student stud_class = new Student();

- **a.** Three reference variables and two objects are created.
- **b.** Two reference variables and two objects are created.
- **c.** One reference variable and two objects are created.
- **d.** Three reference variables and three objects are created.