

Indian Institute of Information Technology Sri City, Chittoor
Object Oriented Programming Scheduled Quiz III
SET B

Maximum Marks: 15

Date: 21/11/2023

NAME: _____ Roll No. _____ Section : _____

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. What will happen if two threads of the same priority are called to be processed simultaneously?
 - (a) Both of them will be executed simultaneously
 - (b) Anyone will be executed first lexicographically
 - (c) None of them will be executed
 - (d) It is dependent on the operating system
2. Choose a correct statement about Autoboxing in Java?
 - (a) It is the process of converting Primitive data type to Wrapper Object type automatically.
 - (b) It is the process of converting a Wrapper type object to Primitive type automatically.
 - (c) There is no concept like this in Java.
 - (d) Both a and b
3. What is the output of the following code?

```
public class Main
{
    static void show(int reading)
    {
        System.out.println("Reading: " + reading);
    }
    public static void main(String[] args)
    {
        Integer a = Integer.valueOf(10);
        show(a);
    }
}
```

 - (a) Reading: 0
 - (b) Reading: 10
 - (c) Compiler Error
 - (d) None of the above
4. Which interface is used to create a thread in Java.
 - (a) Thread
 - (b) Collection
 - (c) Runnable
 - (d) Threadable

5. What is the purpose of FileInputStream in Java.
 - (a) It is used to perform mathematical operations
 - (b) It is used to write data to a file

- (c) It is used to read data from a file
(d) It is used to read data from the keyboard
6. Which of these packages contain the collection classes and interfaces?
(a) java.lang
(b) java.util
(c) java.net
(d) java.awt
7. Which of the following is not a method of iterator interface?
(a) add()
(b) next()
(c) hasNext()
(d) remove()
8. Which of the following is false about collection?
(a) List can have duplicate elements.
(b) Set maintain the insertion order.
(c) Objects of TreeSet maintain a sorted order.
(d) Manipulation in ArrayList is slow compared to LinkedList
9. Which of the following is not a benefit of using Java generics?
(a) Improved type safety
(b) Code reuse
(c) More efficient code execution
(d) Better readability
10. What is the purpose of the diamond operator (\diamond) in Java generics?
(a) To specify a lower bound for a type parameter
(b) To specify an upper bound for a type parameter
(c) To specify both an upper and lower bound for a type parameter
(d) To allow for type inference in a generic class or method
11. Which of the following is the best data structure for storing attribute-value (single or multi-valued) pairs?
(a) Tree Set
(b) Linked List
(c) Array List
(d) Map with key-values
12. Which is the output of the hasNext() method of the Map class iterated with the keySet() if the searched element is found in the keys?
(a) 1
(b) 0
(c) true
(d) false

13. Which of these statements is incorrect?

- (a) By multithreading CPU idle time is minimized, and we can take maximum use of it
 - (b) By multitasking CPU idle time is minimized, and we can take maximum use of it
 - (c) Two thread in Java can have the same priority
 - (d) A thread can exist only in two states, running and blocked

14. Which of these interfaces allow only unique elements? Which of these is a Basic interface that all other interfaces inherit?

- (a) Set, Collection
 - (b) List, Collection
 - (c) Array, Set
 - (d) Collection, Array
 - (e) Collection, List

15. How can Thread go from waiting to runnable state?

- (a) notify/notifAll
 - (b) When sleep time is up
 - (c) Using resume() method when thread was suspended
 - (d) All

Answers: