

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:**

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