

Dashboard (<http://kmitonline.com/student/dashboard.php>) / Quiz

<b>Started on</b>	Tuesday, 20 May 2025, 12:36 PM
<b>State</b>	Finished
<b>Completed on</b>	Tuesday, 20 May 2025, 12:50 PM
<b>Time taken</b>	14 mins 3 secs
<b>Marks</b>	17.00/20.00
<b>Grade</b>	<b>85.00</b> out of 100.00

## Question

# 1

Complete

Mark 1.00 out of 1.00

What will be the output of the following Java code?

```
class exception_handling
{
    public static void main(String args[])
    {
        try
        {
            int i, sum;
            sum = 10;
            for (i = -1; i < 3 ;++i)
            {
                sum = (sum / i);
                System.out.print(i);
            }
        }
        catch(ArithmeticException e)
        {
            System.out.print("0");
        }
    }
}
```

Select one:

- ☐ a. -1
- ☐ b. 0
- ☐ c. -101
- ☒ d. -10

## Question

2

Complete

Mark 1.00 out of 1.00

What is the term for an endpoint of an inter-process communication flow across a computer network?

Select one:

- ☐ a. pipe
- ☐ b. port
- ☐ c. machine
- ☒ d. socket

## Question

3

Complete

Mark 1.00 out of 1.00

What is the output of the following program?

```
1: public class FeedingSchedule {
2:   public static void main(String[] args) {
3:     boolean keepGoing = true;
4:     int count = 0;
5:     int x = 3;
6:     while(count++ < 3) {
7:       int y = (1 + 2 * count) % 3;
8:       switch(y) {
9:         default:
10:          case 0: x -= 1; break;
11:          case 1: x += 5;
12:        }
13:      }
14:      System.out.println(x);
15:    } }
```

Select one:

- ☐ a. 4
- ☐ b. 5
- ☒ c. 6
- ☐ d. 13
- ☐ e. 7
- ☐ f. The code will not compile because of line 7

## Question 4

Complete

Mark 1.00 out of 1.00

Which of the following is known as a set of entities of the same type that share same properties, or attributes?

Select one:

- ☒ a. Entity set
- ☐ b. Relation set
- ☐ c. Entity Relation model
- ☐ d. Tuples

## Question 5

Complete

Mark 0.00 out of 1.00

In operating system, each process has its own \_\_\_\_\_

Select one:

- ☐ a. all of the mentioned
- ☒ b. address space and global variables
- ☐ c. pending alarms, signals and signal handlers
- ☐ d. open files

## Question 6

Complete

Mark 1.00 out of 1.00

Which technique has the greatest number of probe sequences?

Select one:

- ☒ a. Double hashing
- ☐ b. Linear probing
- ☐ c. Quadratic probing
- ☐ d. Closed hashing

## Question 7

Complete

Mark 1.00 out of 1.00

What are the characteristics of stack based IDS?

Select one:

- ☐ a. It models the normal usage of the network as a noise characterization
- ☒ b. They are integrated closely with the TCP/IP stack and watch packets
- ☐ c. It is programmed to interpret a certain series of packets
- ☐ d. The host operating system logs in the audit information

## Question

8

Complete

Mark 1.00 out of 1.00

What will be the output of the following Java program if input given is "abc'def'egh"?

```
class Input_Output
{
    public static void main(String args[]) throws IOException
    {
        char c;

        BufferedReader obj = new BufferedReader(new
InputStreamReader(System.in));

        do
        {
            c = (char) obj.read();
            System.out.print(c);
        } while(c != '\n');
    }
}
```

Select one:

- ☒ a. abc'
- ☐ b. abcdef'
- ☐ c. abc'def'egh
- ☐ d. abcqfghq

## Question

9

Complete

Mark 1.00 out of 1.00

Which of the below does not implement Map interface?

Select one:

- ☐ a. HashMap
- ☐ b. Hashtable
- ☒ c. Vector
- ☐ d. EnumMap

## Question 10

Complete

Mark 1.00 out of 1.00

Which of the following computer networks is built on the top of another network?

Select one:

- ☐ a. prime network
- ☐ b. chief network
- ☐ c. prior network
- ☒ d. overlay network

## Question 11

Complete

Mark 1.00 out of 1.00

Aggregate functions can be used in the select list or the \_\_\_\_\_ clause of a select statement or subquery. They cannot be used in a \_\_\_\_\_ clause.

Select one:

- ☐ a. Group by, where
- ☐ b. Group by, having
- ☒ c. Having, where
- ☐ d. Where, having

## Question 12

Complete

Mark 1.00 out of 1.00

The number of processes completed per unit time is known as \_\_\_\_\_

Select one:

- ☐ a. Efficiency
- ☐ b. Capacity
- ☒ c. Throughput
- ☐ d. Output

## Question 13

Complete

Mark 1.00 out of 1.00

Which of these exception is thrown by close() and read() methods?

Select one:

- ☐ a. FileNotFoundException
- ☐ b. IOException
- ☐ c. FileNotFoudException
- ☒ d. IOException

## Question 14

Complete

Mark 1.00 out of 1.00

\_\_\_\_\_ is a set of one or more attributes taken collectively to uniquely identify a record.

Select one:

- ☒ a. Super key
- ☐ b. Foreign key
- ☐ c. Primary Key
- ☐ d. Candidate key

## Question 15

Complete

Mark 1.00 out of 1.00

For what size of nodes, the worst case of usage of space in suffix tree seen?

Select one:

- ☒ a.  $2n$  nodes
- ☐ b.  $2n$  Nodes
- ☐ c.  $n$  Nodes
- ☐ d.  $n!$  nodes

## Question 16

Complete

Mark 0.00 out of 1.00

The oldest DB model is \_\_\_\_\_

Select one:

- ☐ a. Network
- ☐ b. Hierarchical
- ☐ c. Relational
- ☒ d. Physical

## Question 17

Complete

Mark 1.00 out of 1.00

What is the advantage of a hash table as a data structure?

Select one:

- ☐ a. easy to implement
- ☐ b. exhibit good locality of reference
- ☒ c. faster access of data
- ☐ d. very efficient for less number of entries

## Question 18

Complete

Mark 0.00 out of  
1.00

Why the following statement is erroneous?

```
SELECT dept_name, ID, avg (salary)
FROM instructor
GROUP BY dept_name;
```

Select one:

- ☐ a. Dept\_id should not be used in group by clause
- ☐ b. Group by clause is not valid in this query
- ☒ c. None
- ☐ d. Avg(salary) should not be selected

## Question 19

Complete

Mark 1.00 out of  
1.00

Which type of data structure is a ternary heap?

Select one:

- ☐ a. Array
- ☒ b. Priority Queue
- ☐ c. Priority Stack
- ☐ d. Hash

## Question 20

Complete

Mark 1.00 out of  
1.00

Which tree allows fast implementation of string operation?

Select one:

- ☐ a. Rope Tree
- ☒ b. Suffix Tree
- ☐ c. Top Tree
- ☐ d. Tango Tree