7/15/25, 11:41 AM Quiz: Attempt review

| Started on   | Tuesday, 15 July 2025, 11:33 AM |
|--------------|---------------------------------|
| State        | Finished                        |
| Completed on | Tuesday, 15 July 2025, 11:40 AM |
| Time taken   | 7 mins 31 secs                  |
| Marks        | 4.00/16.00                      |
| Grade        | <b>25.00</b> out of 100.00      |

### Question 1

Complete

Mark 0.00 out of 1.00

\_\_\_\_\_ is a collection of interrelated data organized in specific forms.

- a. Database
- ob. DataItem
- oc. DataMart
- d. DataWarehouse

# Question 2

Complete

Mark 0.00 out of 1.00

Copy constructor takes \_\_\_\_\_ argument(s).

- a. two
- O b. arbitrary number of
- Oc. no
- one d.

Complete

Mark 1.00 out of 1.00

Data structure representation in memory is termed as:

- a. Recursive data type
- b. File structure
- c. Storage structure
- d. Abstract data type

# Question 4

Complete

Mark 0.00 out of 1.00

Identify the addressing mode of the given instruction: R3 ← R3 + M[R1 + R2]

- a. Indexed
- Ob. Direct
- oc. Register
- Od. Immediate

Complete

Mark 1.00 out of 1.00

In the C++ code provided, what is the error (if any)?

- a. Error at line 3 mutable int a cannot be overwritten
- b. There is no error in the code. The output is 11
- c. Error at line 1 int a cannot be declared as mutable
- Od. Error at line 2 function func cannot be declared as const

Complete

Mark 0.00 out of 1.00

- 1. Retrieve value of object in agent
- 2. Store value in agent
- 3. Agent sends alarm to manager.

#### Choose correct:

- a. All 1, 2 and 3
- b. Only 1 and 2
- oc. Only 1
- Only 2 and 3

#### Question 7

Complete

Mark 0.00 out of 1.00

What is the maximum degree of any vertex in a simple graph with n vertices?

- a. n–1
- b. 2n-1
- oc. n+1
- Od. n

### Question 8

Complete

Mark 1.00 out of 1.00

What is the only function all C++ programs must contain?

- a. program()
- ob. system()
- c. main()
- d. start()

Complete

Mark 1.00 out of 1.00

What is the order of Quick Sort in the worst case?

- o a. O(log n)
- b. O(n²)
- Oc. O(n)
- d. O(n log n)

### Question 10

Complete

Mark 0.00 out of 1.00

What will be the output of the following code?

```
#include <stdio.h>
#define scanf "SCAR"
int main(void) {
printf(scanf, scanf);
return 0;
```

- a. SCAR
- b. Compilation Error
- Oc. AR
- od. SCARSCAR

## Question 11

Complete

Mark 0.00 out of 1.00

What would be the maximum number of hosts per subnet in a class B network with subnet mask 255.255.248.0?

- a. 2047
- b. 1023
- o. 1022
- d. 2046

Complete

Mark 0.00 out of 1.00

Which is the most appropriate way of defining primary key?

- o a. None of the mentioned options
- b. CREATE TABLE table\_name PRIMARY KEY (Column\_name Constraints, ... );
- c. CREATE TABLE table\_name( column\_name data\_type constraint, PRIMARY KEY (column\_name),... );
- d. CREATE TABLE table\_name (column\_name PRIMARY KEY data\_type NOT NULL, ... );

### Question 13

Complete

Mark 0.00 out of 1.00

Which of the following is correct as per the classification under Class B Address of IP address?

- a. Network bit 12, Host bit 14
- b. Network bit 14, Host bit 16
- c. Network bit 18, Host bit 16
- d. Network bit 16, Host bit 14

# Question 14

Complete

Mark 0.00 out of 1.00

Which of the following layers functions as a liaison between user support layers and network support layers?

- a. Physical layer
- b. Network layer
- c. Session layer
- d. Transport layer

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#### Question 15

Complete

Mark 0.00 out of 1.00

Which of the following OSI model layers are host-to-host layers?

- a. Transport, Session, Presentation, Application
- b. Network, Transport, Session, Presentation
- o. Datalink, Network, Transport, Session
- Od. Physical, Datalink, Network, Transport

# Question 16

Complete

Mark 0.00 out of 1.00

Which of the following statements correctly defines the operation performed by the short-term scheduler?

- a. It selects which process has to be brought into the ready queue
- b. It selects which process has to be executed next and allocates CPU
- c. It selects which process has to be removed from memory by swapping
- Od. None of the mentioned options