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Grade	100 out of 100

Question 1

Correct

Mark 4 out of 4

What is the purpose of an index in a database?

- a. To store backup copies
- b. To allow multiple users to access data simultaneously
- c. To ensure data integrity
- d. To speed up data retrieval operations 

Question 2

Correct

Mark 4 out of 4

Which type of chart is best for showing the relationship between two variables?

- a. Pie chart
- b. Line graph
- c. Scatter plot 
- d. Histogram

Question 3

Correct

Mark 4 out of 4

What safeguard helps maintain data integrity in a database?

- a. Backup systems
- b. User access controls
- c. Data redundancies
- d. Use of foreign keys 

Question 4

Correct

Mark 4 out of 4

What is the main advantage of interactive data visualization tools?

- a. They create complex coding requirements
- b. They allow for static presentations
- c. They are easier to print
- d. They make it easier to analyze data in real time 

Question 5

Correct

Mark 4 out of 4

Which of the following is an example of a synchronous communication platform?

- a. Social Media
- b. Video Conferencing 
- c. Blogs
- d. Email

Question 6

Correct

Mark 4 out of 4

What does KPI stand for in the context of business analytics?

- a. Key Planning Information
- b. Knowledge-based Performance Indicator
- c. Key Performance Indicator 
- d. Knowledge Performance Index

Question 7

Correct

Mark 4 out of 4

Which of the following is a critical feature for effective team collaboration?

- a. Unscheduled meetings
- b. Lack of communication
- c. Minimal feedback
- d. Clear role definitions 

Question 8

Correct

Mark 4 out of 4

What is a disadvantage of a flat file database?

- a. It is simple to use
- b. It can lead to data redundancy 
- c. It is suitable for small data sets
- d. It requires complex queries

Question 9

Correct

Mark 4 out of 4

What does a foreign key do in a relational database?

- a. It stores data about user access
- b. It creates duplicates of existing data
- c. It indexes a table for faster search
- d. It identifies a primary key in another table 

Question 10

Correct

Mark 4 out of 4

Which service provides virtualized computing resources over the Internet?

- a. DaaS
- b. IaaS 
- c. PaaS
- d. SaaS

Question 11

Correct

Mark 4 out of 4

What is a common technique used in data cleaning?

- a. Data visualization
- b. Data mining
- c. Data integration
- d. Normalization 

Question 12

Correct

Mark 4 out of 4

What does "SaaS" stand for?

- a. Storage as a Service
- b. Software as a Service 
- c. Server as a Service
- d. Security as a Service

Question 13

Correct

Mark 4 out of 4

Which term refers to the various forms of communication a company uses to relay messages?

- a. Communication Tools
- b. Communication Grids
- c. Communication Channels 
- d. Communication Scripts

Question 14

Correct

Mark 4 out of 4

Which term refers to the process of transferring data and applications to the cloud?

- a. Cloud storage
- b. Cloud migration 
- c. Cloud synchronization
- d. Cloud backup

Question 15

Correct

Mark 4 out of 4

Which of the following is an advantage of a private cloud?

- a. Reduced management complexity
- b. Greater cost efficiency than public clouds
- c. Increased security and control 
- d. Unlimited access for all users

Question 16

Correct

Mark 4 out of 4

What is "multi-tenancy" in cloud computing?

- a. Separate cloud services for each department
- b. Multiple software installations on a single server
- c. A single instance serving multiple users 
- d. The use of multiple cloud providers

Question 17

Correct

Mark 4 out of 4

What is the main advantage of using virtualization in server consolidation?

- a. Improved resource allocation and efficiency 
- b. Reduced hardware utilization
- c. Better performance for legacy applications
- d. Increased energy consumption

Question 18

Correct

Mark 4 out of 4

How can organizations ensure effective communication among remote teams?

- a. By limiting communication tools
- b. By using a variety of communication platforms 
- c. By relying only on emails
- d. By avoiding virtual meetings

Question 19

Correct

Mark 4 out of 4

Which communication platform allows for the broadcast of messages to a large audience?

- a. One-on-One Meetings
- b. Forum Discussions
- c. Webinars 
- d. Direct Messaging

Question 20

Correct

Mark 4 out of 4

What is the primary purpose of cloud storage?

- a. To provide scalable, remote storage solutions 
- b. To enhance software performance
- c. To improve hardware speeds
- d. To store data locally

Question 21

Correct

Mark 4 out of 4

What does the acronym ACID stand for in database management?

- a. Auto-update, Consistency, Integration, Distribution
- b. Atomicity, Consistency, Isolation, Durability 
- c. Accessibility, Capacity, Integrity, Durability
- d. Association, Consistency, Isolation, Dependency

Question 22

Correct

Mark 4 out of 4

Which of the following describes a hybrid cloud?

- a. A fully managed dedicated server
- b. A cloud model that is only used for public services
- c. A cloud that operates without any physical infrastructure
- d. A cloud model that combines both private and public clouds 

Question 23

Correct

Mark 4 out of 4

In an E-R diagram, a diamond shape represents what?

- a. Relationship 
- b. Entity
- c. Attribute
- d. Key

Question 24

Correct

Mark 4 out of 4

In a relational database, what happens if a primary key is defined on a table?

- a. It can have duplicate values
- b. It can be NULL
- c. It must contain unique values 
- d. It does not enforce any rules

Question 25

Correct

Mark 4 out of 4

What is the primary function of a virtual machine (VM)?

- a. To reduce physical server count
- b. To run a separate operating system on the same hardware 
- c. To enhance physical server performance
- d. To provide network services