1. _____ determines the extent to which individual nodes or DBs in a connected DDB can operate independently.
   A. Transparency
   B. tolerance
   C. autonomy
   D. scalability

Answer: C

2. In relational databases, _____ values indicate unknown, missing, or nonapplicable data.
   A. primary key
   B. Foreign key
   C. Default
   D. Null

Answer: D

3. What is the term used to describe the process of assigning each fragment or copy of a fragment to a particular site in a distributed system?
   A. Data normalization
   B. Data distribution (or data allocation)
   C. Replication schema
   D. Partial replication

Answer: B

4. In which type of distributed concurrency control based on a distinguished copy of a Data Item does all distinguished copies kept at the same site.
   A. Particular copy of each data item designated as distinguished copy
   B. Primary site technique
   C. Primary site with backup site
   D. Primary copy method

Answer: B

5. _____used to interpret the meaning of the data elements corresponding to that attribute.
   A. Relation
   B. Domain
   C. Tuple
   D. Schema

Answer: B

6. Not explicit schema-based constraints that can be expressed in the relational model
   A. Key constraints

B. Entity integrity constraints
C. Referential integrity constraints
D. Application base constraint

Answer: D

**7.** Occurs when two transactions that access the same database items have operations interleaved
A. The lost update problem.
B. The temporary update problem.
C. The incorrect summary problem.
D. The unrepeatable read problem

Answer: A

**8.** _____ is a mechanism where all the previous logs are removed from the system and stored permanently in a storage disk.
A. Abort
B. Commit
C. Checkpoint
D. Rollback

Answer: C

**9.** _____ determines the requirements of end-users and develop specifications for those requirements.
A. database administrators
B. application programmers
C. system analyst
D. auditors

Answer: C

**10.** The SQL ALTER statement can be used to
A. Change the table structure
B. Change the table data
C. Add rows to the table
D. Delete rows from the table

Answer: B

**11.** Security is a typical DBMS function aims to protect databases from _____
A. Data Visualization
B. Unauthorized access
C. Data loss
D. A and B

Answer: B

**12.** In which type of isolation level does Transactions must acquire long duration read locks on the individual data items that they read.

A. Serializability
B. Read committed
C. Read uncommitted
D. Repeatable read

Answer: D

**13.** Which of the following best describes a class in object-oriented programming?

A. A specific instance of an object with its own data and behavior.
B. A blueprint that defines the properties and methods of similar objects.
C. A function that performs a specific task on an object.
D. A collection of variables that store data used by the program.

Answer: B

**14.** What is the principle in object-oriented programming that allows us to hide the internal implementation details of a class and only expose its functionalities through methods?

A. Inheritance
B. Polymorphism
C. Encapsulation
D. Abstraction

Answer: C

**15.** During a system analysis project, the team decides to create multiple models, each focusing on a specific aspect of the system. Which of the following benefits does this approach offer?

A. It simplifies the modeling process by focusing on a single technique.
B. It provides a more comprehensive view of the system by using different perspectives.
C. It reduces the time required to develop the system model.
D. It introduces unnecessary complexity and confusion for stakeholders.

Answer: B

**16.** An analyst is developing a model to document the different states a "Product Order" can go through (e.g., Submitted, Processing, and Shipped). Which modeling technique is most appropriate for this scenario?

A. Class diagram
B. Use case diagram
C. State diagram
D. Sequence diagram

Answer: C

**17.** When analyzing user requirements for an online shopping system, you identify the need for users to be able to add items to their shopping cart and then proceed to checkout. Which UML relationship best represents the interaction between the "Add to Cart" and "Checkout" use cases in a use case diagram?

A. Generalization
B. Include
C. Extend
D. Association

Answer: C

**18.** UML (Unified Modeling Language) offers various diagrams to represent user requirements in object-oriented systems. Which of the following UML diagrams is MOST suitable for capturing the high-level interactions between users and the system?

A. Class Diagram
B. Sequence Diagram
C. Activity Diagram
D. Use Case Diagram

Answer: D

**19.** You're designing a state diagram for the "Book" class in the library management system. The book can be in different states like "Available," "Borrowed," and "Under Repair." Which UML element would represent the transition between the "Available" and "Borrowed" states when a member successfully borrows the book?

A. State
B. Event
C. Guard condition
D. Action

Answer: B

**20.** In your class diagram for the library management system, you have a class named "Book" with attributes like title, author, and genre. You also have a class named "Member" with attributes like name and contact information. What type of UML relationship would you use to show that a Book can be borrowed by a member?

A. Generalization
B. Association
C. Aggregation
D. Composition

Answer: B

**21.** Consider a class hierarchy with interfaces and abstract classes. Which of the following statements is CORRECT about implementing polymorphism in this scenario?

A. All concrete subclasses must override methods declared in abstract classes.
B. Interfaces can only define abstract methods, while abstract classes can have concrete implementations.
C. Polymorphism is achieved solely through method overloading within the same class.
D. Interfaces promote tight coupling, allowing unrelated classes to share functionality.

Answer: B

**22.** When method overloading is determined?

A. At run time
B. At compile time
C. At coding time
D. At execution time

Answer: B

**23.** One of the following is major emphasis of Structural programming paradigm.

A. Data structures and their manipulation.
B. Encapsulating data and behavior within objects.
C. Procedures and functions as the building blocks of programs.
D. Inheritance and polymorphism for code reuse.

Answer: C

**24.** Which of the following statements about data structures is true regarding object-oriented programming but not structured programming?

A. Data structures are statically allocated
B. Data structures cannot contain objects as elements
C. Data structures can be changed after declaration
D. Data structures cannot be used to represent a database schema

Answer: C

**25.** When designing complex software systems with multiple interacting objects, what design principle is crucial for maintainability and scalability?

A. Loose coupling, where objects interact through well-defined interfaces
B. Code duplication to avoid unnecessary complexity.
C. Tight coupling between objects, creating dependencies.

D. Global variables for easy access to data across different parts of the system.

Answer: A

**26.** Which feature of OOP is indicated by the following code?

```
Class Student{
        int marks;
}
class Topper extends Student{
        private int age;
        public topper(int age){
                this.age=age;
}}
```

A. Encapsulation and Inheritance
B. Inheritance and polymorphism
C. Polymorphism
D. Inheritance

Answer: D

**27.** Consider the following snippet of code, which of the following statement is correct?

```
class Base {
    public Base() {
        System.out.print("Base ");
    }
    public Base(String s) {
        System.out.print("Base: " + s);
    }
}
class Derived extends Base {
    public Derived(String s) {
        super(); // Stmt-1
        super(s); // Stmt-2
        System.out.print("Derived ");
    }
}
class Test {
    public static void main(String[] args) {
        Base base = new Derived("Hello ");
    }
}
```

**A.** Removing Stmt-1 will make the program compilable and it will print ***"Base: Hello Derived"***

B. Removing both Stmt-1 and Stmt-2 will make the program compilable and it will print ***"Base: Hello Derived"***

C. Removing Stmt-2 will make the program compilable and it will print ***"Hello Derived"***

D. Removing Stmt-1 will make the program compilable and it will print ***"Base Derived"***

Answer: A

**28.** Which of the following statement is INCORRECT about the Final key word in Java?

A. A value of Final variable cannot be changed.

B. A Final method cannot be overridden

C. A Final method cannot be inherited

D. A Final class cannot be extended

Answer: C

**29.** Consider a program that allows users to write data to different types of files (text, CSV). You plan to use polymorphism to achieve this. Which approach best utilizes polymorphism and I/O functionality?

A. Create a base class FileWriter with a writeData(String data) method. Subclasses like TextFileWriter and CSVFileWriter will inherit and implement specific file writing logic for their formats.

B. Use a single FileWriter class with overloaded methods writeData(String data) for text and CSV formats.

C. Write separate functions for writing text and CSV data.

D. Define an interface Writable with a method writeData(String data). Implement separate classes for TextFile and CSVFile, each implementing Writable and having their own file writing logic.

Answer: D

**30.** Assume a class implements two interfaces, both with a method named *draw(),* which of the following statement is true?

A. The class must have two separate methods named *draw()*.

B. The compiler throws an error due to method name conflict.

C. The class can choose to implement only one *draw()* method.
D. The class needs to explicitly specify which interface's *draw()* to implement.

Answer: C

**31.** Which of this class is used to generate an array which can increase and decrease size automatically?

A. ArrayList()
B. DynamicList()
C. LinkedList()
D. Set()

Answer: A

**32.** What is the use of the finalize() method in Java?

A. It is used to define the object's behavior when explicitly garbage collected.
B. It is called by the garbage collector before an object is reclaimed.
C. It allows for manual memory management.
D. It is called by the constructor of the class.

Answer: B

**33.** What will happen if two thread of the same priority are called to be processed simultaneously?

A. Anyone will be executed first lexographically
B. Both of them will be executed simultaneously
C. None of them will be executed
D. It is dependent on the operating system

Answer: D

**34.** What is the output of the following program?

```
import java.util.*;
  class Array
  {
     public static void main(String args[])
     {
        int array[] = new int [5];
        for (int i = 5; i > 0; i--)
           array[5-i] = i;
        Arrays.fill(array, 1, 4, 8);
        for (int i = 0; i < 5 ; i++)
```

```
            System.out.print(array[i]);
        }
    }
```

A. 58881
B. 12885
C. 12845
D. 54881

Answer: A

**35.** What will be the output of the following Java program?

```
public class exception_handling   {
    public static void main(String args[])  {
        try {
            int a, b;
            b = args.length;
             System.out.print("A");
            a = 5 / b; }
        catch(ArithmeticException e) {
         System.out.print("B"); } }}
```

A. A
B. Compilation Error
C. AB
D. Runtime Error

Answer: C

**36.** What will be the output of the following?

```
class multithreaded_programing    {
        public static void main(String args[])  {
            new newthread();
            for(int i=0; i<3;i++)
            System.out.print(i);}}
  class newthread extends Thread {
         Thread t;
         newthread(){
             t = new Thread(this,"My Thread");
             t.start();}
```

```
public void run(){
  try{
     t.join() ;
      System.out.println(t.getName());
  }
  catch(Exception e){
  System.out.print("Exception");
  }}}
```

A. Prints 012
B. Prints 012 and then lead to a Runtime Error
C. Compilation Error
D. Nothing will be displayed

Answer: A

**37.** Which of the following languages is primarily used for client-side scripting in web development?

A. Python
B. Java
C. JavaScript
D. C++

Answer: C

**38.** What is the primary purpose of HyperText Markup Language (HTML) in web development?

A. To add interactivity to web pages
B. To define the structure and content of web pages
C. To handle communication between server and client
D. To create animations and graphics

Answer: B

**39.** When encountering a JavaScript error message, the first step in debugging should be:

A. Ignoring the error and hoping it goes away
B. Reading the error message carefully and identifying the line causing the issue
C. Re-writing the entire code from scratch
D. Searching online for generic solutions without understanding the context

Answer: B

**40.** Security is a major concern when handling user data on an e-commerce website. Which of the following is NOT a recommended practice?

A. Validating user input on the client-side to prevent malicious code injection
B. Encrypting sensitive data like credit card and session information on the server-side
C. Using secure protocols like HTTPS for communication

Answer: A

**41.** You're building a web application that allows users to register. On the server-side (using a language like PHP), how would you ensure a username is unique before storing it in the database?

A. Use JavaScript to check for uniqueness before submitting the form
B. Write server-side code to query the database for existing usernames before storing the new one.
C. rely on the database to handle duplicate entries automatically.
D. There's no way to guarantee uniqueness in a web application.

Answer: B

**42.** A user submits a form on your website. Which combination of technologies best represents how the form data would be processed for server-side validation and storage?

A. Client-side validation with JavaScript and server-side processing using HTML forms.
B. Only client-side validation with JavaScript for a more responsive experience.
C. Only server-side validation to avoid user manipulation of data.
D. Client-side validation with JavaScript, but storing data directly in the browser for security reasons.

Answer: A

**43.** A user clicks a button on your webpage. How can you use client-side scripting (JavaScript) to enhance the user experience without requiring a full page reload?

A. The button should submit a form to the server for processing.
B. Use JavaScript to handle the button click event and perform actions like displaying animations or updating content dynamically on the page.
C. Re-render the entire page using JavaScript to simulate interactivity.
D. Client-side scripting cannot handle button clicks without server interaction.

Answer: C

**44.** You're designing a website for a local museum with a vast collection of artifacts. Users should be able to search for specific artifacts based on criteria like category, date, or artist. Which approach would be most effective in managing this content for efficient searching and display?

A. Create individual web pages for each artifact, making searching cumbersome.
B. Store all artifact information in a single, long webpage, leading to poor user experience.
C. Develop a database to store artifact information and use server-side scripting to dynamically generate search results and detailed pages for each artifact.
D. Rely solely on client-side search functionality within the browser for efficiency.

Answer: C

**45.** A client wants a website showcasing their photography portfolio. They have hundreds of high-resolution images. How would you optimize the website's content management and user experience for these images?

A. Display all images in full resolution on a single page, potentially causing slow loading times.
B. Use a single, large image file containing all photos.
C. Implement a database to manage image information and utilize thumbnails for browsing with options to view full-size versions on demand.
D. Upload all images directly into HTML code.

Answer: C

**46.** You're tasked with creating a website for a news organization with daily content updates. How would you ensure efficient content management and user experience for readers?

A. Create static HTML pages for each news article, requiring manual updates for new content.
B. Develop a content management system (CMS) allowing for easy content creation, editing, and organization for a dynamic website.
C. Rely on users to submit news articles directly through HTML forms, leading to potential quality and security issues.
D. Use a single, long webpage with all news articles listed chronologically, making navigation challenging for older content.

Answer: B

**47.** When designing a client-server system with multiple clients accessing the server concurrently, what concurrency control mechanism would be most effective in preventing data inconsistencies?

A. No concurrency controls
B. Semaphores: Signaling mechanism for controlling access to shared resources, a viable option.
C. Cookies: Used for client-side state management.
D. Hyperlinks: Used for linking web pages

Answer: B

**48.** During the evaluation phase of a client-server system, you identify performance bottlenecks. Which approach is the MOST effective for analyzing and improving concurrency issues?

A. Increase server hardware resources without understanding the root cause of the problem.
B. Use profiling tools to identify sections of code causing concurrency bottlenecks and optimize them.
C. Limit the number of concurrent clients accessing the server, potentially impacting user experience.
D. Rewrite the entire system from scratch without a clear understanding of the existing issues.

Answer: B

**49.** When designing the communication protocol for a client-server system, which element is MOST crucial for ensuring data integrity and security?

A. Using clear and concise language in the protocol specifications.
B. Defining the format and structure of data messages.
C. Implementing data encryption and authentication mechanisms to protect sensitive information.
D. Specifying error codes for various communication failures.

Answer: C

**50.** One of the following is the main process of quality management to identifying which quality standards are relevant to the project and how to satisfy them; a metric is a standard of measurement.

A. Planning quality
B. Quality assurance
C. Perform quality control
D. Statistical analysis

Answer: A

**51.** As a project manager, Dawit is so happy that all expected project the deliverables have been accomplished of his project team. What is the next step for his project to proceed in order to verify the project scope by his project client?

A. Ask his client to pay for the completed project deliverables.
B. Award all of his project team members for such a great accomplishment.
C. Offer a party for his project team and client to celebrate the success of the project.
D. Ask his client to conduct an inspection on all of the completed project deliverables.

Answer: D

**52.** As a project manager, you would identify new risks in which of the following main processes of risk management?

A. Risks Response
B. Risk Identification
C. Qualitative Risk Analysis
D. Risks Monitor and control

Answer: D

**53.** What is the purpose of a project charter in software development?

A. To document the resources and budget for a project
B. To define the scope, objectives, and stakeholders of a project
C. To identify and mitigate risks associated with a project
D. To schedule the tasks required for a project

Answer: B

**54.** While assessing your project processes for quality tools, you have identified some uncontrolled random or non-random process variations. Which of the following would be the appropriate chart you may use for this purpose?

A. Pareto diagram
B. PERT chart
C. Control chart
D. HR personnel chart

Answer: C

**55.** A company has a network address of 192.168.1.64 with a subnet mask of 255.255.255.192. The company wants to create two subnetworks that would contain 10 hosts and 18 hosts respectively. Which two networks would achieve that?

A. 192.168.1.16/28 and 192.168.1.64/27

B. 192.168.1.64/27 and 192.168.1.128/27
C. 192.168.1.64/27 and 192.168.1.96/28
D. 192.168.1.96/28 and 192.168.1.192/28

Answer: A

**56.** Which layer in the TCP/IP model is used for formatting, compressing, and encrypting data?

A. Internetwork
B. Session
C. Application
D. Presentation

Answer: D

**57.** When is UDP (user datagram protocol) preferred over TCP (Transmission Control Protocol)?

A. When a client sends a segment to a server
B. When all the data must be fully received before any part of it is considered useful
C. When an application can tolerate some loss of data during transmission
D. When segments must arrive in a very specific sequence to be processed successfully

Answer: C

**58.** Which two flags in the TCP header are used in a TCP three-way handshake to establish connectivity between two network devices?

A. ACK and SYN
B. PSH and RST
C. ACK and FIN
D. SYN and URG

Answer: A

**59.** A web client is sending a request for a webpage to a web server. From the perspective of the client, what is the correct order of the protocol stack that is used to prepare the request for transmission?

A. HTTP, IP, TCP, Ethernet
B. HTTP, TCP, IP, Ethernet
C. Ethernet, TCP, IP, HTTP
D. Ethernet, IP, TCP, HTTP

Answer: B

**60.** What command can be used on a windows PC to see the IP configuration of that computer?

A. ping
B. ipconfig

C. show interfaces
D. show ip interface brief

Answer: B

**61.** Which of the following guided transmission media is best suited for high-speed, long-distance communication?

A. Coaxial Cable
B. Twisted Pair Cable
C. Satellite
D. Fiber Optic

Answer: D

**62.** What method can be used by two computers to ensure that packets are not dropped because too much data is being sent too quickly?

A. Encapsulation
B. Flow control
C. Access method
D. Response timeout

Answer: B

**63.** What benefit does DHCP provides for a given network?

A. Hosts always have the same IP address and are therefore always reachable.
B. DHCP allows users to refer to locations by a name rather than an IP address.
C. Hosts can connect to the network and get an IP address without manual configuration.
D. Duplicate addresses cannot occur on a network that issues dynamic addresses using DHCP and has static assignments.

Answer: C

**64. Refer to the exhibit. A network administrator is configuring the MOTD on Multi-switch SW2. What is the purpose of this command?**

```
Multi-SW2(config)#
Multi-SW2(config)#
Multi-SW2(config)#banner motd #UNAUTHORISED ACCESS IS NOT ALLOWED#
```

A. To display a message when a user accesses the switch
B. To configure switch SW2 so that only the users in the admin group can telnet into SW2
C. To force users of the admin group to enter a password for authentication

D. To configure switch SW2 so that the message will display when a user enters the enable command

Answer: A

**65.** Which device performs the function of determining the path that messages should take through internetworks?

A. A router
B. A firewall
C. A web server
D. A DSL modems

Answer: A

**66.** Why router-on-stick method is recommended inter-VLAN communication in the contemporary network?

A. Because a single router interface is assigned for a single VLAN as a default gateway.
B. Because a single router interface is assigned for a multiple VLAN by using IEEE 802.1q.
C. Because multiple router interface is assigned for a single VLAN as a backup path.
D. Because multiple router interface is assigned for a single VLAN by using encapsulation dot1q.

Answer: B

**67.** Which of the following is considered as a common network monitoring tool?

A. Ping and traceroute
B. SNMP and NetFlow
C. Wireshark and tcpdump
D. All

Answer: D

**68.** A network administrator configured syslog with a level 2 trap. Which of the following types of logs would be generated?

A. Alerts, and Critical
B. Alerts, Errors and, Emergency
C. Critical, Alert, and Emergency
D. Critical, Error, and Emergency

Answer: C

**69.** Which of the following network device used for managing a network security?

A. Firewall
B. Router
C. Switch

D. Transparent Bridge

Answer: A

**70.** Which command will back up the configuration that is stored in NVRAM to a TFTP server?

A. copy running-config tftp
B. copy tftp running-config
C. copy startup-config tftp
D. copy tftp startup-config

Answer: C

**71.** Which of the following access methods is commonly used to manage network devices when there is no direct network connectivity?

A. Telnet
B. SSH
C. VPN
D. Console

Answer: D

**72.** What is the purpose of Spanning Tree Protocol (STP) in a network?

A. To prevent network loops and ensure network redundancy
B. To route network traffic to intended destinations
C. To encrypt network traffic for security purposes
D. To increase network speed

Answer: A

**73.** Which of the following switch port modes is used to connect end devices, such as computers or printers, to a switch?

A. Trunk mode
B. Access mode
C. Native mode
D. VLAN mode

Answer: B

**74.** Which of the following is not part of an android main component?

A. Activity
B. Service
C. Content provider
D. Layout

Answer: D

**75.** Which android activity life cycle method is responsible to bring an activity to the foreground and enables user to interact with it?

A. onCreate()
B. onResume()
C. onDestroy()
D. onPause()

Answer: B

**76.** Which of the following code displays “hello mock” when button bt is clicked?

A.
```
bt.setOnClickListener(new View.OnClickListener() {
    Toast.maketext(contex,"Hello mock",Toast.LENGTH_LONG).show();
        @Override public void onClick(View view)
        {
          }
    });
```

B.
```
bt.setOnClickListener(new View.OnClickListener() {
        @Override public void onClick(View view)
        {
        Toast.maketext("Hello mock",contex, Toast.LENGTH_LONG).show();
        }
    });
```

C.
```
bt.setOnClickListener(new View.OnClickListener() {
        @Override public void onClick(View view)
        {
        Toast.maketext(contex, “Hello mock", Toast.LENGTH_LONG).show();
        }
    });
```

D. None

Answer: C

**77.** Which of the following android library is used for drawing?

A. Media player
B. Canvas
C. Drawer
D. None

Answer: B

**78.** Which of the following android library is used to store color information of drawing?

A. Canvas
B. Paint
C. MediaEncoder
D. None

Answer: B

**79.** Which one of the following android libraries is used to play audio and video?

A. Media encoder
B. MediaPlayer
C. Audioplayer
D. VideoPlayer

Answer: B

**80.** Which one of the following is not true about android studio architecture?

A. Drawable folder is found in res folder
B. Color is stored in values folder
C. Java file is placed in res folder
D. Java file and resource is placed in main folder

Answer: C

**81.** Which one of the following widgets is suitable to display data from an adapter or an array?

A. Textview
B. Imageview
C. Listview
D. Edittext

Answer: C

**82.** Which of the following is a method for managing network devices that involves grouping them based on their function or location?

A. NAT
B. VPN
C. DMZ
D. VLAN

Answer: D

**83.** Which of the following is a method for granting a user administrative privilege in Windows?

A. Adding them to the Administrators group
B. Changing their password
C. Enabling Remote Desktop
D. None of the above

Answer: A

**84.** Which of the following is a method for managing group membership in Linux?

A. Using the groupmod command
B. Using the usermod command
C. Using the passwd command
D. Using the chown command

Answer: B

**85.** Which of the following is a method for restoring a system image backup in Windows?

A. Using the System Configuration tool
B. Using the System Restore feature
C. Using the Command Prompt
D. Using the Backup and Restore tool

Answer: D

**86.** Which of the following is a tool used for remotely administering a Windows computer?

A. Remote Desktop Connection
B. Terminal
C. SSH
D. Telnet

Answer: A

**87.** If you make Flaw in your system design, implementation or deployment that could be exploit the given information security police is known as_____?

A. Security policy
B. Threat
C. Attack
D. Vulnerability

Answer: D

**88.** Which of the following threat/attack may be made the network is unavailable for a user?

A. Reconnaissance
B. Denial of Service
C. Man-in-the-middle
D. Direct-access

Answer: B

**89.** If certain organization /company stated as every “employee must change/update his or her password within every 6 days”. This statement is an example of?

A. Security requirement
B. Security control
C. Security policy
D. Security objective

Answer: C

**90.** Which of the following bus slot provides the highest video performance?

A. PCI
B. SCSI
C. AGP
D. PCI-e

Answer: C

**91.** Your client wants to buy laptops that can be expanded with additional ports not found in the base unit. The types of laptops your client is considering are designed to use which of the following?

A. Port replicator
B. USB hub
C. Mobile PCI Express Module
D. Docking station

Answer: D

**92.** What is a recommended method of preventing overheating in a computer system?

A. Regularly defragmenting the hard drive
B. Ensuring proper ventilation and cleaning dust off the system fans
C. Installing a high-quality antivirus program
D. Upgrading the RAM

Answer: B

**93.** Which component of a computer is responsible for sending visual output to a monitor or other display device?

A. Graphics Card
B. CPU
C. Motherboard
D. Power Supply Unit

Answer: A

**94.** A fire extinguisher that is suitable for combustible metals.

A. Class A
B. Class B
C. Class ABC
D. Class D

Answer: D

**95.** Which password is used in the BIOS(CMOS) to prevent end users from accessing the BIOS content?

A. System
B. User
C. Administrator
D. Local

Answer: A

**96.** What is the proper code to put data into the dataset called CustomerDataset using the CustomerDataAdapter object?

A. CustomerDataset.Fill(CustomerDataAdapter)
B. CustomerDataAdapter.Fill(CustomerDataset)
C. CustomerDataset.Load(CustomerDataAdapter)
D. CustomerDataAdapter.Load(CustomerDataset)

Answer: B

**97.** What is the key difference between standard programming and event-driven programming?

A. Standard programming only works with text-based interfaces
B. Event-driven programming doesn't require user input
C. Standard programming is faster than event-driven programming
D. Event-driven programming relies on the actions of the user

Answer: D

**98.** You want to perform a case-insensitive string comparison in VB.NET. Which of the following options would you choose?

A. Use the StrComp function with a comparison type of vbTextCompare
B. Use the = operator with the ComparisonOption.IgnoreCase option
C. Use the Compare method with a StringComparison type of OrdinalIgnoreCase
D. You cannot perform case-insensitive string comparison in VB.NET

Answer: C

**99.** Which of the following is an example of an event-driven application in VB.NET?

A. A calculator program that uses a console interface
B. A web scraper that runs automatically on a schedule
C. A video game that allows the player to move a character using arrow keys

D. A batch processing script that runs in the background on a remote server.

Answer: C

**100.** Which type of VB.NET control would you use to display a table of data?

A. DataGridView
B. ListBox
C. TreeView
D. TextBox

Answer: A