

The CLO Review Material



IS210

Web Design and Development I

SECTION 1: THE BASIC UNDERSTANDING

Terminology

I. HTML Key Terms	II. CSS Key Terms
1. HTML Elements	1. Selectors
2. Tags	2. Properties
3. Attributes	3. Values
4. Doctype	4. Classes and IDs
5. Head	5. Box Model
6. Body	6. Selectors Types
7. Heading Tags	7. Pseudo-classes
8. Heading	8. Pseudo-elements
9. Paragraph	9. External, Internal, and Inline CSS
10. Image	10. Colors
11. List	11. Z-index
12. Table	12. Transitions and Animations
13. Form Elements	13. Float and Clear
14. Div and Span	
15. Meta Tags	
16. Comment	
17. ID and Class Attributes	

Multiple Choice Questions

1. What does HTML stand for?
 - a) HyperText Markup Language
 - b) Hyperlinks and Text Markup Language
 - c) Home Tool Markup Language
 - d) HyperTool Markup Language



2. Which HTML tag is used to define the largest heading?
 - a) <heading>
 - b) <h6>
 - c) <h1>
 - d) <header>
3. Which HTML element is used to define a paragraph?
 - a) <p>
 - b) <para>
 - c) <paragraph>
 - d) <text>
4. What is the correct HTML element for inserting a line break?
 - a) <break>
 - b) <lb>
 - c)

 - d) <hr>
5. Which of the following is the correct way to create a hyperlink in HTML?
 - a) Example
 - b) Example
 - c) <link href="https://example.com">Example</link>
 - d) <hyperlink="https://example.com">Example</hyperlink>
6. Which HTML tag is used to define an unordered list?
 - a)
 - b)
 - c) <list>
 - d)
7. How do you create a checkbox in HTML?
 - a) <input type="checkbox">
 - b) <input type="check">
 - c) <input type="button">
 - d) <input type="tick">
8. Which HTML element is used to display a horizontal line?
 - a) <hr>
 - b)

 - c) <line>
 - d) <hl>



9. Which HTML attribute is used to define inline styles?
 - a) font
 - b) class
 - c) style
 - d) styles
10. How can you open a link in a new tab or window?
 - a) `<a href="https://example.com" target="new">Example</a>`
 - b) `<a href="https://example.com" target="_blank">Example</a>`
 - c) `<a href="https://example.com" target="tab">Example</a>`
 - d) `<a href="https://example.com" target="window">Example</a>`
11. Which HTML tag is used to define a table?
 - a) `<table>`
 - b) `<tab>`
 - c) `<tr>`
 - d) `<td>`
12. Which HTML tag is used to define a form for user input?
 - a) `<input>`
 - b) `<form>`
 - c) `<button>`
 - d) `<textarea>`
13. What is the correct HTML tag for inserting an image?
 - a) ``
 - b) `<image src="image.jpg">`
 - c) `<picture src="image.jpg">`
 - d) `<image link="image.jpg">`
14. Which HTML attribute is used to define alternative text for an image?
 - a) title
 - b) alt
 - c) src
 - d) href
15. What is the correct HTML for creating a text input field?
 - a) `<input type="text">`
 - b) `<textinput>`
 - c) `<textarea>`
 - d) `<textfield>`



16. What does CSS stand for?
 - a) Colorful Style Sheets
 - b) Cascading Style Sheets
 - c) Computer Style Sheets
 - d) Creative Style Sheets
17. Which HTML attribute is used to define inline styles?
 - a) font
 - b) styles
 - c) style
 - d) class
18. Which CSS property controls the text size?
 - a) font-size
 - b) text-size
 - c) size
 - d) font-style
19. What is the correct syntax for adding a background color in CSS?
 - a) background-color: yellow;
 - b) background: color yellow;
 - c) bg-color: yellow;
 - d) color-background: yellow;
20. Which CSS property is used to change the text color?
 - a) fgcolor
 - b) text-color
 - c) font-color
 - d) color
21. How do you add a comment in CSS?
 - a) // this is a comment
 - b) /* this is a comment */
 - c) <!-- this is a comment -->
 - d) # this is a comment
22. Which CSS property is used to change the font of text?
 - a) font-family
 - b) font-style
 - c) font-weight
 - d) text-family



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23. How do you select an element with the id header in CSS?
- a) #header
 - b) .header
 - c) *header
 - d) header
24. How do you select all elements with the class menu in CSS?
- a) #menu
 - b) *menu
 - c) .menu
 - d) menu
25. Which property is used to change the spacing between letters in CSS?
- a) letter-spacing
 - b) font-spacing
 - c) text-spacing
 - d) space-between
26. Which property is used to align text to the center in CSS?
- a) font-align
 - b) text-align
 - c) align
 - d) center-align
27. What is the default value of the position property in CSS?
- a) absolute
 - b) fixed
 - c) relative
 - d) static
28. Which property is used to create space between the element's border and its content?
- a) margin
 - b) padding
 - c) border-spacing
 - d) spacing
29. How do you make each word in a text start with a capital letter in CSS?
- a) text-transform: capitalize;
 - b) text-style: capitalize;
 - c) text-case: uppercase;
 - d) font-transform: capitalize;



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30. Which CSS property controls the order of stacked elements?
- a) z-order
 - b) z-index
 - c) stack-order
 - d) stack-index
31. Which CSS property is used to create rounded corners for an element?
- a) border-radius
 - b) corner-radius
 - c) round-border
 - d) circle-border
32. Which CSS property is used to set the width of an element?
- a) width
 - b) element-width
 - c) content-width
 - d) max-width
33. Which CSS value makes an element invisible but still occupies space on the page?
- a) display: none;
 - b) visibility: hidden;
 - c) opacity: 0;
 - d) hidden: false;
34. Which CSS property is used to float an element to the left or right of its container?
- a) position
 - b) float
 - c) align
 - d) move
35. Which CSS property is used to change the background image of an element?
- a) background-image
 - b) bg-image
 - c) background-url
 - d) image-src

THE COURSE LEARNING OUTCOMES

Comprehensive Questions

☞ Your Task: Answer all the following question completely.

1. What is HTML?
2. What is an HTML element?
3. What is the purpose of the `<!DOCTYPE html>` declaration?
4. What are the main sections of an HTML document?
5. What is the difference between `<div>` and `<span>` tags?
6. How do you create a hyperlink in HTML?
7. What is the purpose of the `<img>` tag?
8. What is the difference between an ordered list (`<ol>`) and an unordered list (`<ul>`) in HTML?
9. How do you create a form in HTML?
10. What is the use of the `<table>` tag in HTML?
11. What is CSS?
12. What are the different ways to apply CSS to a webpage?
13. What is a CSS selector?
14. What is the difference between class and id in CSS?
15. What are pseudo-classes in CSS?
16. What is a CSS pseudo-element?
17. What is the difference between relative and absolute positioning in CSS?
18. What are the differences between padding and margin in CSS?
19. What is z-index in CSS?
20. What is float and how does it work in CSS?

End of Paper



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The CLO Review Material



IS215

Information Structure

SECTION 1: THE BASIC UNDERSTANDING

Multiple Choice Questions

1. What is Entry?
 - a. select
 - b. add
 - c. update
 - d. delete
2. How many types of SQL Statements?
 - a. 1 Type
 - b. 2 Types
 - c. 3 Types
 - d. 4 Types
3. How many type of relationship?
 - a. 2
 - b. 3
 - c. 4
 - d. 5
4. What is relationship?
 - a. Are connection between attribute
 - b. Style of database relationship
 - c. System connection database
 - d. Process to connect database
5. What Is view level?
 - a. Application programs hide details of data types
 - b. Describes data stored in database
 - c. Describes how a record
 - d. Application that store data



6. What is database?
 - a. Is a collection of information of organization
 - b. Is a collection of database management
 - c. Is a database management system
 - d. Is a system to manage data
7. Function to retrieving data
 - a. Select data
 - b. Delete data
 - c. Update data
 - d. Insert data
8. DDL stand for
 - a. Data definition language
 - b. Database definition language
 - c. Data document level
 - d. Data definition level
9. What mean of Entity?
 - a. table
 - b. field
 - c. Conditional
 - d. Chose database
10. What is Decomposition?
 - a. Combination
 - b. Delete
 - c. Divide
 - d. Duplicate
11. Which of Aggregate Function?
 - a. AVG
 - b. DELTE
 - c. UPDATE
 - d. SUM
12. Which of the below statement is true?
 - a. SELECT * FROM tblSchool WHERE
 - b. SELECT FROM tblSchools WHERE 1
 - c. SELECT id, name, FROM tblSchool
 - d. Select * FROM tblSchool Where sid'1'

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13. What's WHERE mean?
- To search data information
 - To select data information
 - To make conditional
 - To view data information
14. What is an Entity?
- Is an object that exists and is distinguishable from other objects.
 - Is database can be modeled
 - Is a set of entities of the same type that share the same properties.
 - Is represented by a set of attributes.
15. What is an Attribute?
- Is an object that exists and is distinguishable from other objects.
 - Is database can be modeled
 - Is a set of entities of the same type that share the same properties.
 - Is represented by a set of attributes.
16. What is weakness data information?
- Data are correct
 - Data information is no duplicate
 - Redundancy data
 - Duplicate data
17. SQL stand for
- Structured Query Language
 - Structure Query Language
 - Standard Query Language
 - System Query Language
18. _____ is an attribute that defines an object's appearance or characteristics.
- Property
 - Table
 - Field
 - Structure
19. _____ is a special kind of indexed field that uniquely identifies each record in a table.
- Special Key
 - Secondary Key
 - Primary Key
 - Foreign Key

20. _____ is a column or group of columns in a relational database table that provides a link between data in two tables.
- Special Key
 - Secondary Key
 - Primary Key
 - Foreign Key

THE COURSE LEARNING OUTCOMES

Comprehensive Questions

☛ **Your Task: Answer all the following question completely.**

- What's SQL Statements?
- Please determine the purpose of the database?
- What's Field Properties?
- Why we need to make relational database design on database?
- What do you understand of Database?
- What do you understand of Data Redundancy?
- Explain Normalization.
- What are the different types of Normalization?
- Define Entity, Entity type, and Entity set.
- Define a Weak Entity Set.
- What do you understand by Join?
- What is the Database transaction?
- Explain the term of Attribute.
- What is ER Diagram?
- What is Function dependency?
- Define DDL and DML.
- Define INNER JOIN.
- What are the different Primary and Foreign Key?
- What is sub-query?
- Explain the concept of a data dictionary.



Case Study -Create ER Diagram and Database

1. Coffee Shop
2. Children School
3. POS
4. Mini Mart Store

End of Paper



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The CLO Review Material



IS314

Network Management and Workshop

SECTION 1: THE BASIC UNDERSTANDING

Multiple Choice Questions

1. You are the administrator for your company network, and you need to figure out what installation type of Windows Server 2016 you want to use. You are looking for a server type that is designed for private clouds and datacenters that will allow you to remotely administer the server operating system.
What windows version should you install?
 - a. Windows Server 2016 (Desktop Experience)
 - b. Windows Server 2016 Server Core
 - c. Windows Server 2016 Nano Server
 - d. Windows Server 2016 Web Server Core
2. You are the administrator for your company network. You are planning on setting up NIC Teaming and you'd like to also set up fault protection. What is the minimum number of Ethernet adapters you must have?
 - a. One
 - b. Two
 - c. Three
 - d. Four
3. You are the administrator for your company network. You are trying to determine what the default TCP port for remote desktop is. Which one is it?
 - a. 21
 - b. 1433
 - c. 3260
 - d. 3389
4. Which feature in Windows Server 2016 allows you to create and manage multiple virtual machines?
 - a. Hyper-V
 - b. Active Directory

- c. DNS Server
 - d. DHCP Server
5. What is the minimum RAM requirement for installing Windows Server 2016?
- a. 1 GB
 - b. 4 GB
 - c. 8 GB
 - d. 16 GB
6. Which Windows Server feature allows you to manage and distribute IP addresses dynamically to network devices?
- a. DHCP (Dynamic Host Configuration Protocol)
 - b. DNS (Domain Name System)
 - c. WINS (Windows Internet Name Service)
 - d. IPAM (IP Address Management)
7. Which of the following is **NOT** part of the standard password complexity requirements in Windows Server?
- a. At least one uppercase letter
 - b. At least one special character
 - c. At least one numerical digit
 - d. At least one non-English character
8. What is the purpose of the Account Lockout Threshold setting in a password policy?
- a. To specify the number of failed login attempts before an account is locked
 - b. To lock an account after it has been inactive for a certain number of days
 - c. To require a user to change their password at regular intervals
 - d. To prevent users from changing their passwords too frequently
9. The Active Directory Domain Servers is installed on Windows server by default.
- a. True
 - b. False
10. In term of resource use, which of the following role that consume low resource?
- a. Hyper-V
 - b. Database
 - c. DNS

11. Which tool in Windows Server allows you to install, configure, and manage roles and features on a server?
 - a. Server Manager
 - b. Group Policy Management
 - c. Task Scheduler
 - d. Disk Management
12. Which Windows Server feature provides real-time protection against malware, spyware, and viruses?
 - a. Windows Defender Antivirus
 - b. Group Policy Management
 - c. Remote Desktop Services
 - d. Active Directory Domain Services
13. Which type of malware is designed to spread across networks by exploiting vulnerabilities and does not require any human interaction to propagate?
 - a. Virus
 - b. Worm
 - c. Ransomware
 - d. Trojan Horse
14. To add a server role, which of following guideline that you should follow?
 - a. Start -> Server Manager -> Add roles and features
 - b. Control Panel -> Programs and Features -> View installed updates -> Add roles and features
 - c. Run -> cmd -> install roles and features
15. A strong password should contain:
 - a. Uppercase and lowercase letters
 - b. Number and Uppercase letters
 - c. Symbol, Number and Uppercase letters
 - d. Symbol, Number, Uppercase letters, lowercase letters and At least 8 characters
16. Which security concept ensures that sensitive data is only accessible to authorized individuals?
 - a. Integrity
 - b. Confidentiality
 - c. Availability
 - d. Auditing

17. Which Windows Server feature can be used to encrypt data stored on a hard drive, protecting it from unauthorized access even if the physical drive is removed from the server?
- Windows Firewall
 - BitLocker
 - AppLocker
 - Credential Guard
18. Which of the following is the primary purpose of network teaming in Windows Server 2016?
- To increase the number of IP addresses available
 - To provide redundancy and improve network performance through load balancing
 - To manage DNS configurations
 - To enable file sharing between servers
19. What is the primary purpose of Windows Server 2016?
- To serve as a personal computer operating system
 - To manage network resources, provide services, and facilitate centralized management of a network environment
 - To develop software applications
 - To act as a standalone firewall solution
20. What is the primary benefit of applying security updates to Windows Server?
- Improved server performance
 - Enhanced user experience
 - Protection against known vulnerabilities and exploits
 - Increased server storage capacity
21. Which of the following is a **risk** of not regularly updating software on Windows Servers?
- Increased memory availability
 - Decreased risk of hardware failure
 - Increased vulnerability to malware and cyberattacks
 - Reduced need for backups
22. What is the primary purpose of antivirus software?
- To create backup copies of files
 - To protect a computer system by detecting, preventing, and removing malicious software (malware)
 - To manage network traffic
 - To optimize hardware performance

23. What is the primary purpose of BitLocker in Windows?
- To monitor system performance
 - To encrypt the entire drive to protect data from unauthorized access
 - To back up files to an external drive
 - To optimize network traffic
24. What is the primary purpose of audit logs in a system?
- To store backup copies of files
 - To record events and activities on a system for security monitoring and compliance purposes
 - To increase the system's processing speed
 - To manage user passwords
25. Which of the following is a key difference between **Windows Server** and **Windows 11**?
- Windows Server supports desktop applications while Windows 10 does not
 - Windows Server is designed for enterprise environments, supporting roles such as Active Directory and file sharing
 - Windows Server has a graphical user interface (GUI), but Windows 10 does not
 - Windows Server cannot be used in a domain environment

THE COURSE LEARNING OUTCOMES

Comprehensive Questions

☞ **Your Task: Answer all the following question completely.**

- What is Windows Server?
- What is network management?
- What are network layers?
- What steps did you take to design, plan, and implement the new infrastructure?
- List down what are the key features of Windows Server.
- To have a strong password policy on windows server, What're the requirement?
- Can you talk about a time when there was a security breach on the network?

8. Most software applications regularly prompt users to update to the latest version. Please explain the main objectives or benefits of maintaining up-to-date software and applications.
9. What was the outcome and how did the upgrades improve the network's performance?
10. You have conducted the research and presented about windows security hardening. Please select **5 objectives** to secure the windows operating system and give a brief explanation.
11. What steps did you take to troubleshoot and resolve the issue?
12. Can you describe a situation where the network experienced a slowdown?
13. What is an IP address, and how do networking protocols use IP addresses?
14. What is a firewall, and how does it improve network security?
15. What is the TCP/IP model?
16. What is VPN?
17. What is a DNS server?
18. What is router?
19. What is the difference between a LAN and a WAN?
20. What is the difference between a static IP address and a dynamic IP address?

End of Paper



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