Republic of the Philippines
SULTAN KUDARAT STATE UNIVERSITY
Isulan Camus, Isulan Sultan Kudarat
College of Computer Studies
Bachelor of Science in Information System

IT Elect 311 - Web Systems and Technologies
Midterm Exam

Name: _____ Course/Yr/Section_____ Score: _____

Instructions:
- Read each question carefully and encircle the letter of the correct answer.
- You have 2 hours to complete the exam.

1. What is a web system?
   A. A simple website with static content.
   B. A complex software application accessible through the internet.
   C. A database management system.
   D. A mobile application.

2. Which of the following is NOT a benefit of web systems?
   A. Accessibility
   B. Global reach
   C. Limited scalability
   D. Cost-effectiveness

3. What is the primary role of a server in a eb system?
   A. To display web content to users.
   B. To store and deliver web content to clients.
   C. To act as a network switch.
   D. To provide internet connectivity.

4. Which protocol is fundamental for communication between clients and servers in web systems?
   A. FTP
   B. HTTP
   C. SMTP
   D. TCP/IP

5. What is the main difference between a website and a web application?
   A. Websites are more interactive than web applications.
   B. Web applications are more dynamic and allow user interaction.
   C. Websites are always static, while web applications are always dynamic.
   D. Websites and web applications are the same.

6. Which of the following is an example of a web application?
   A. A blog with static content.
   B. An online banking platform.
   C. A digital brochure.
   D. A PDF document.

7. What is the role of the network in a web system?
   A. To store web content.
   B. To display web content.
   C. To connect clients and servers.
   D. To manage user sessions.

8. Which of the following is NOT a key component of a web system?
   A. Client
   B. Server
   C. Operating system
   D. Network

9. What is the primary function of the client in a web system?
   A. To store web content.
   B. To request and display web content.
   C. To process user requests.
   D. To manage network traffic.

10. What is the main purpose of protocols in web systems?
   A. To store web content.
   B. To define rules for communication between clients and servers.
   C. To display web content.
   D. To manage user sessions.

11. Which of the following is a real-world application of web systems?

    A. E-commerce platforms   C. Embedded systems

    B. Desktop applications   D. Operating systems

12. What is the primary advantage of web systems over traditional methods?

    A. Limited accessibility   C. Global reach and accessibility

    B. High cost   D. Complexity

13. Which of the following is NOT a benefit of web systems in education?

    A. Flexible learning schedules   D. On-demand access to educational

    B. Limited access to educational resources   content

    C. Access to a vast range of educational
        resources

14. What is the role of content in a web system?

    A. To store web data.   C. To process user requests.

    B. To display web data.   D. To manage network traffic.

15. Which of the following is an example of a content management system?

    A. A word processor   C. A spreadsheet

    B. A blog   D. A presentation tool

16. What is front-end development primarily concerned with?

    A. Server-side programming   C. User interface and user experience

    B. Database management   D. Network configuration

17. Which of the following is NOT a role of a front-end developer?

    A. Designing the visual layout of a web   C. Managing server-side databases

        page   D. Creating interactive elements

    B. Ensuring usability and accessibility

18. What is the primary focus of user experience (UX) design?

    A. Visual aesthetics   C. The overall user journey and satisfaction

    B. Server-side programming   D. Network configuration

19. Which of the following is a key principle of UI design?

    A. Complexity   C. Server-side programming

    B. Usability   D. Network configuration

20. What is the role of consistency in UI design?

    A. To create a sense of familiarity   C. To manage server-side databases

    B. To increase complexity   D. To configure network settings

21. What is the importance of visual hierarchy in UI design?

    A. To guide the user's eye towards the   C. To manage server-side databases

        most important information   D. To configure network setting

    B. To increase complexity

22. What is the primary goal of responsive design in UI design?

    A. To create a complex layout   C. To manage server-side databases

    B. To ensure the website adapts to   D. To configure network setting

        different screen sizes

23. What is the role of accessibility in UI design?

    A. To create a complex layout   C. To manage server-side databases

    B. To ensure the website is usable by   D. To configure network settings

        everyone, including those with
        disabilities

24. What is the primary focus of user research in UX design?

    A. Server-side programming   C. Network configuration

    B. Understanding user needs and   D. Managing server-side databases

        behaviors

25. What is the role of information architecture in UX design?
    A. To create a complex layout
    B. To organize and label content on a website
    C. To manage server-side databases
    D. To configure network settings

26. What does HTML stand for?
    A. HyperText Markup Language
    B. HyperText Management Language
    C. HyperText Modeling Language
    D. HyperText Machine Language

27. Which tag is used to define the structure of an HTML document?
    A. <body>
    B. <html>
    C. <head>
    D. <title>

28. What is the purpose of the <head> section in an HTML document?
    A. To display content on the web page
    B. To contain meta information about the document
    C. To define the body of the web page
    D. To manage server-side databases

29. Which tag is used to define a paragraph in HTML?
    A. <p>
    B. <h1>
    C. <div>
    D. <span>

30. What is the purpose of the <title> tag in HTML?
    A. To define the main heading of the web page
    B. To define the title displayed in the browser tab
    C. To define the body of the web page
    D. To manage server-side databases

31. Which tag is used to define a heading in HTML?
    A. <h1>
    B. <p>
    C. <div>
    D. <span>

32. What is the purpose of the <body> tag in HTML?
    A. To contain meta information about the document
    B. To define the main content of the web page
    C. To define the title of the web page
    D. To manage server-side databases

33. Which tag is used to define a link in HTML?
    A. <a>
    B. <link>
    C. <href>
    D. <url>

34. What is the purpose of the <img> tag in HTML?
    A. To define a paragraph
    B. To embed an image on the web page
    C. To define a heading
    D. To manage server-side databases

35. Which attribute is used to specify the source of an image in the <img> tag?
    A. src
    B. alt
    C. href
    D. title

36. What is the purpose of the <ul> tag in HTML?
    A. To define an ordered list
    B. To define an unordered list
    C. To define a paragraph
    D. To define a heading

37. Which tag is used to define a list item in HTML?
    A.
    B.
    C.
    D. <dl>

38. What is the purpose of the <ol> tag in HTML?
    A. To define an unordered list
    B. To define an ordered list
    C. To define a paragraph
    D. To define a heading

39. Which tag is used to define a line break in HTML?

A. \<a\>   C. \<hr\>

B. \<p\>   D. \<div\>

40. What is the purpose of the \<hr\> tag in HTML?
    - A. To define a paragraph
    - B. To define a horizontal line
    - C. To define a heading
    - D. To manage server-side databases

41. What does CSS stand for?
    - A. Cascading Style Sheets
    - B. Cascading Script Sheets
    - C. Cascading Structure Sheets
    - D. Cascading System Sheets

42. What is the primary purpose of CSS in web development?
    - A. To define the structure of a web page
    - B. To define the visual presentation of a web page
    - C. To manage server-side databases
    - D. To configure network settings

43. Which tag is used to link an external CSS file to an HTML document?
    - A. \<link\>
    - B. \<style\>
    - C. \<css\>
    - D. \<script\>

44. What is the purpose of the \<style\> tag in HTML?
    - A. To define the structure of a web page
    - B. To define internal CSS styles
    - C. To manage server-side databases
    - D. To configure network settings

45. Which CSS property is used to set the background color of an element?
    - A. background-color
    - B. color
    - C. font-color
    - D. text-color

46. What is the purpose of the CSS selector "p"?
    - A. To select all paragraph elements
    - B. To select all heading elements
    - C. To select all div elements
    - D. To select all span elements

47. Which CSS property is used to set the font size of an element?
    - A. font-size
    - B. size
    - C. text-size
    - D. font-weight

48. What is the purpose of the CSS property "margin"?
    - A. To set the background color of an element
    - B. To set the space outside an element
    - C. To set the space inside an element
    - D. To set the font size of an element

49. Which CSS property is used to set the padding of an element?
    - A. padding
    - B. margin
    - C. space
    - D. border

50. What is the purpose of the CSS property "border"?
    - A. To set the background color of an element
    - B. To set the border style of an element
    - C. To set the font size of an element
    - D. To set the margin of an element

51. Which CSS selector is used to select an element with a specific ID?
    - A. #id
    - B. .class
    - C. *
    - D. element

52. What is the purpose of the CSS property "color"?
    - A. To set the background color of an element
    - B. To set the text color of an element
    - C. To set the font size of an element
    - D. To set the margin of an element

53. Which CSS property is used to set the font family of an element?
    - A. font-family
    - B. family
    - C. text-family
    - D. font-style

54. What is the purpose of the CSS property "text-align"?

A. To set the background color of an element
B. To set the text alignment of an element
C. To set the font size of an element
D. To set the margin of an element

55. Which CSS property is used to set the background image of an element?
    A. background-image
    B. image
    C. bg-image
    D. background-color

56. What is the purpose of the CSS property "display"?
    A. To set the background color of an element
    B. To set the display type of an element
    C. To set the font size of an element
    D. To set the margin of an element

57. Which CSS property is used to set the width of an element?
    A. width
    B. size
    C. text-width
    D. font-width

58. What is the purpose of the CSS property "height"?
    A. To set the background color of an element
    B. To set the height of an element
    C. To set the font size of an element
    D. To set the margin of an element

59. Which CSS property is used to set the border radius of an element?
    A. border-radius
    B. radius
    C. border-round
    D. border-size

60. What is the purpose of the CSS property "box-shadow"?
    A. To set the background color of an element
    B. To add a shadow to an element
    C. To set the font size of an element
    D. To set the margin of an element

61. Which CSS property is used to set the opacity of an element?
    A. opacity
    B. transparency
    C. visibility
    D. display

62. What is the purpose of the CSS property "z-index"?
    A. To set the background color of an element
    B. To set the stack order of an element
    C. To set the font size of an element
    D. To set the margin of an element

63. Which CSS property is used to set the position of an element?
    A. position
    B. location
    C. place
    D. coordinate

64. What is the purpose of the CSS property "float"?
    A. To set the background color of an element
    B. To float an element to the left or right
    C. To set the font size of an element
    D. To set the margin of an element

65. Which CSS property is used to set the overflow behavior of an element?
    A. overflow
    B. scroll
    C. overflow-x
    D. overflow-y

66. What is the purpose of the CSS property "text-decoration"?
    A. To set the background color of an element
    B. To add decoration to text
    C. To set the font size of an element
    D. To set the margin of an element

67. Which CSS property is used to set the letter spacing of an element?
    A. letter-spacing
    B. text-spacing
    C. letter-space
    D. text-letter

68. What is the purpose of the CSS property "line-height"?
    A. To set the background color of an element
    B. To set the height of a line of text
    C. To set the font size of an element
    D. To set the margin of an element

69. Which CSS property is used to set the text transformation of an element?
    A. text-transform
    B. transform
    C. text-change
    D. text-modify

70. What is the purpose of the CSS property "font-weight"?
    A. To set the background color of an element
    B. To set the weight of the font
    C. To set the font size of an element
    D. To set the margin of an element

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