



Put (√) in front of the correct statement or (x) in front of the incorrect statement

- 1- AI helps manage energy in smart homes by analyzing usage patterns and saving energy. ()
- 2- Smart systems help reduce pollution from factories by shutting them down. ()
- 3- Robots assist in agriculture by automatically watering plants. ()
- 4- The primary function of artificial intelligence is to transmit data only. ()
- 5- VR technology allows devices to connect to the internet and exchange data. ()
- 6- AI helps detect air pollution, send warnings to residents, and reduce factory emissions. ()
- 7- Intelligent systems are unable to cope with melting ice. ()
- 8- AI is used in decision-making for implementation by robotics in intelligent systems. ()
- 9- Intelligent systems improve the efficiency of self-driving cars by increasing fuel consumption. ()
- 10- One of the proposed smart solutions to address the drought problem is to rely solely on rain. ()
- 11- Intelligent systems enable you to transform a regular hospital into a smart hospital by linking technical devices to IoT and using AI to diagnose diseases and assist patients. ()
- 12- The inability to provide emotional support for elderly care, as humans do, is considered a disadvantage of using robots. ()
- 13- Distributed Denial of Service (DDoS) attacks target only one device. ()
- 14- Creating a fake story or deceptive scenario to obtain your personal information online is one of the social engineering techniques. ()
- 15- Social engineering relies on exploiting vulnerabilities in traditional systems. ()
- 16- Sharing your personal information with anyone you trust online is safe. ()
- 17- Deceiving people to reveal their information is one of the social engineering methods. ()
- 18- Ransomware permanently damages your device. ()
- 19- Ransomware encrypts files and demands a ransom to restore them. ()
- 20- Detecting and removing malware from a computer is called identity theft. ()
- 21- Disabling a website or internet service by sending huge amounts of requests is called Baiting. ()
- 22- Spear phishing targets the personal information of specific individuals. ()
- 23- Botnets used in DDoS attacks are compromised devices controlled by the attacker to send huge amounts of fake requests to the targeted server. ()
- 24- Ransomware spreads only via email and not through malicious websites. ()
- 25- Big data is defined as a large and complex set of data that cannot be efficiently processed using traditional technology such as (Excel) software. ()
- 26- Semi-structured data is a mix of structured and unstructured data, such as emails. ()
- 27- Digital content (videos – images – audio content) that is uploaded or viewed does not generate big data . ()
- 28- Internet-connected devices are considered a source of big data.()
- 29- The "Variety" characteristic refers to the vast amount of data that is collected and stored. ()
- 30- Financial data resulting from electronic payment operations and banking transactions are considered unreliable data. ()
- 31- Artificial intelligence technologies help humans process and analyze vast amounts of big data and extract value from it. ()
- 32- The stages of big data processing begin with data cleaning to ensure it is free of errors before collecting and storing it. ()
- 33- The collected big data can be stored in large databases that may be on servers or cloud systems. .()
- 34- Big data is used to monitor network traffic and analyze patterns to detect security threats and protect systems. ()



- 35- After analyzing big data, the process of extracting information that can be used to make strategic decisions takes place. ()
- 36- The lower the quality, volume, and diversity of the available data, the less the ability of machine learning and deep learning models to learn and provide accurate predictions and decisions. ()
- 37- Big data increases the accuracy and effectiveness of AI models by training them on a wide range of scenarios and reducing the problem of overfitting. ()
- 38- Natural Language Processing (NLP) models like GPT do not require massive text datasets to learn, understand, and generate human language. ()
- 39- Computer vision applications, such as facial recognition, rely on massive datasets of images and videos to train their models . ()
- 40- Real-time big data streams allow AI models to continuously learn and adapt to new data. ()
- 41- Big data helps enable AI to analyze historical data to identify patterns and trends to make accurate predictions about future events (such as predictive analytics). ()
- 42- AI is just a set of theoretical algorithms incapable of learning or providing real value, even with the availability of big data. ()
- 43- User Experience (UX) design is thinking about how people use the app or website, and whether they can easily find what they need. ()
- 44- The principle of "Navigation ease" means that the user can reach what they are looking for slowly and carefully to ensure no mistakes occur. ()
- 45- To design a new educational website or game, one must think about every step the player will take and how they will feel during the gameplay. ()
- 46- "Consistency" in interface design means maintaining the same style and appearance of buttons and elements throughout the app or website. ()
- 47- User Experience (UX) concerns only the quality of services provided by websites and does not include apps. ()
- 48- The principle of "Clarity" in the interface requires presenting information in an easy-to-understand manner. ()
- 49- Planning the design of a website or application interface means organizing the interface elements in a way that makes it easier to use. ()
- 50- When you enter a restaurant to have a meal, the restaurant's decor, colors, and facade represent (UX), while the quality of the food represents (UI). ()
- 51- Using decorative fonts excessively improves the clarity of texts in (UI) design. ()
- 52- Ease of use does not affect user satisfaction with the digital product. ()
- 53- The principle of easy navigation is one of the (UX) design principles that refers to the importance of helping the user find what they are looking for easily within the product. ()
- 54- The main menu on the website with clear buttons is an example of good navigation design. ()
- 55- HTML language is used only to describe the appearance of web pages. ()
- 56- One of the benefits of CSS is that it is used to design the structure and content of a web page. ()
- 57- CSS was created to facilitate the styling of web pages and separate styling from content. ()
- 58- The tag is still the preferred method for formatting texts in modern HTML pages. ()
- 59- An external CSS file is included in HTML using the <link> tag. ()
- 60- The browser loads the external CSS file only once and then uses the saved copy. ()
- 61- The rel="stylesheet" attribute is used when linking a CSS file to an HTML file. ()
- 62- CSS can be used to change the font size and colors. ()
- 63- Internal CSS is often used in large websites to maintain consistent styling. ()
- 64- In CSS code, the selector specifies properties like color and size. ()



5- Which of the following is an example of ransomware?

- a. A program that displays annoying ads.
- b. A program that encrypts your files and demands a ransom to decrypt them.
- c. A program that cleans temporary files on your device.
- d. A program that helps you organize your files.

6- What is the primary goal of Distributed Denial of Service (DDoS) attacks?

- a. Stealing user data.
- b. Disabling a website or online service.
- c. Spreading false information.
- d. Spying on user communications.

7- The term "security updates" means.....

- a- Changing the appearance of the operating system.
- b- Adding new features to the software.
- c- Fixing security vulnerabilities in software and hardware.
- d- Speeding up application performance.

8- The bots used in DDoS attacks are called

- a- Advanced artificial intelligence programs.
- b- Supercomputers.
- c- A group of secure servers.
- d- A network of compromised devices controlled remotely

9- is one of the types of big data.

- a- Engineering data.
- b- Formal data.
- c- Structured data.
- d- Pivot data.

10- Which of the five (5Vs) characteristics of big data refers to the reliability and quality of data, as data may sometimes contain errors or inaccurate information?

- a- Volume
- b- Velocity
- c- Value
- d- Veracity

11- What is the first stage of big data processing?

- a - Data storage.
- b- Data cleaning.
- c- Big data collection.
- d - Data analysis.

12- Which of the following uses of big data relies on understanding customer behavior and improving recommendations using advanced analytics?

- a- Artificial intelligence.
- b- Machine learning and deep learning.
- c- Network monitoring and cybersecurity.
- d- E-commerce

13- Which of the following is an example of an advanced AI application that relies on massive sets of images and videos to train its models?

- a- Natural Language Processing (NLP)
- b- Computer Vision
- c- Big Data Aggregation
- d- Task Automation

14- Big data helps machine learning algorithms automate tasks in fields such as.....

- a- Customer Service
- b- Logistics
- c- Financial Services
- d- All of the above

15- What is meant by the principle of "Ease of Navigation" in user experience design?

- A. That the colors are bright and cheerful on all pages.
- B. That the user can easily and quickly reach what they are looking for.
- C. That the website contains as many pages as possible.
- D. That the locations of menus differ on each page for a new experience.

16- What is meant by the principle of "Consistency" in interface design?

- A. That the shapes of buttons and colors change on every page.
- B. That elements are displayed randomly to attract attention.
- C. That there is variation in page design to break boredom.
- D. That the interface maintains the same style and appearance for buttons and elements on all pages.



17- Which of the following examples illustrates the use of incompatible colors in UI design?

- A. Using simple color gradients. B. Using complementary colors from the color wheel.
C. Using many bright colors randomly. D. Using white as the primary color with a calm secondary color.

18- Which of the following is considered a basic principle in UI design?

- A. Making all buttons the same size and shape.
B. Choosing harmonious colors that are easy on the eyes.
C. Providing multiple ways to accomplish the same task.
D. Ensuring that texts are unreadable.

19- The language is used to style the appearance of web pages.

- a. HTTP. b. DOC c. XLSX d. CSS

20- One of the benefits of the CSS language is

- a. Excessive cost. b. Ease of modification and loading.
c. Inappropriate appearance for the page. d. Inability to control colors and fonts.

21- The general syntax of CSS code is

- a. selector{property: value}; b. value{ property: selector };
c. property {value: selector }; d. selector{property };

22- One of the ways through which CSS formats can be incorporated into HTML code

- a. Selector b. Responsive. c. Href d. External CSS

23- The tag used to define the title shown in the browser's title bar is.....

- a. <body> b. <div class>=" " c. <title> d. <section>

24- The tag <h2> Basic Information </h2> represents.....

- a. The main title of the page. b. A subtitle of the page.
c. The bottom part of the page. d. It does not represent anything on the page.

25- The code: .body {text-align: center ;} in CSS is used for

- a. Making the text bold. b. Centering text horizontally in the middle of the page.
c. Horizontal and vertical centering of the page. d. Making the font color light cyan.

26- The code: .header {padding: 10px ;} is used for

- a. Horizontally centering the container within the page.
b. Making the container width 8% of the page width.
c. Styling the top bar that contains the container title.
d. Adding an internal space of 10 pixels around the content.

27- is one of the artificial intelligence tools that help build websites.

- a- Paint b- Word c- Wegic.ai d- Power point

28- The text commands we write to the artificial intelligence tool to create a website are called.....

- a- Prompt b- word c- key d- paragraph

29- is an easy-to-use platform that relies on artificial intelligence to generate websites and can be used via mobile phone.

- a- Microsoft word b- Windows c- Data sheet d- Jimdo dolphin

30- Which of the following is not considered contact information that may be added to the website?

- a- Email. b- Social media page link.
c- Phone number. d- Website designer's name