

Student name: _____

- 1) Discuss how Fitbit and Apple's Health App is an example of using IoT.
- 2) Describe the evolution of the Internet and web.
- 3) Define the parts of a URL.
- 4) Describe the various technologies used to provide highly interactive and animated websites.
- 5) Briefly explain how instant messaging works.

6) Describe a wiki and explain how a wiki differs from a blog.

7) Explain how a search engine works.

8) Discuss the four elements to consider when evaluating the content and accuracy of information on the web.

9) Describe both the advantages and the disadvantages associated with electronic commerce.

10) Describe the two greatest challenges for e-commerce.

11) Launched in 1969 as a U.S funded project that developed a national computer network, the Internet was initially called _____.

- A) World Wide Web
- B) Intranet

- C) NSFNet
- D) ARPANET

12) The Web was introduced in _____.

- A) 1967
- B) 1991

- C) 1998
- D) 2004

13) The Internet is a(n) _____ made up of wires, cables, satellites, and rules for exchanging information

- A) physical network
- B) virtual network

between computers connected to the network.

- C) multimedia interface
- D) domain name

14) This version of the web evolved to support more dynamic content creation and social interaction.

- A) Web 1.0
- B) Web 2.0

- C) Web 3.0
- D) Web 4.0

15) The most common way to access the Internet is through _____.

- A) an Internet service provider (ISP)
- B) an instant messaging (IM) service

- C) an application service provider (ASP)
- D) Facebook

16) Which of the following is not a well-known browser?

- A) Microsoft Edge
- B) Windows Explorer

- C) Apple Safari
- D) Google Chrome

17) A web page typically contains _____, which contains the formatting instructions for displaying the web page.

- A) uniform resource locators (URLs)
- B) top-level domain (TLD)
- C) Hypertext Markup Language (HTML)

- D) hyperlinks

18) For browsers to connect to resources on the Internet, the location of the resources must be specified through addresses called _____.

- A) uniform resource locators (URLs)
- B) top-level domains (TLDs)
- C) Hypertext Markup Language (HTML)

- D) hyperlinks

19) In the URL "http://www.simnetonline.com", what is the domain name?

- A) http://www.simnetonline.com
- B) www.simnetonline.com

- C) simnetonline
- D) com

20) In the URL "http://www.simnetonline.com," ".com" is the _____.

- A) top-level domain (TLD)
- B) uniform resource locator (URL)

- C) domain name server (DNS)
- D) domain name

21) Which programming language is used within HTML documents to trigger interactive features?

- A) CSS
- B) JavaScript

- C) HTML
- D) Visual Basic

22) Which of the following are files inserted into an HTML document that control the appearance of web pages

including layout, colors, and fonts?

- A) Javascript
- B) Applets

- C) AJAX
- D) CSS

23) This type of e-mail account is more widely used because it frees the user from installing and maintaining an e-mail client on every computer used to access e-mail.

- A) Client-based
- B) Web-based

- C) Cloud
- D) Mobile

- A) spam blocker
- B) web-based e-mail system

- C) spam filter
- D) client-based e-mail system

25) Twitter is an example of what type of site?

- A) Wiki
- B) Blog

- C) Microblog
- D) Search

26) _____ are audio programs delivered over the Internet.

- A) Podcasts
- B) Blogs

- C) Microblogs
- D) Twitter

27) _____ are typically programs that offer a series of related episodes.

- A) Wikis
- B) Podcasts

- C) Microblogs
- D) Twitter

28) Which of the following is a website specially designed to allow visitors to use their browser to add, edit, or delete the site's content?

- A) Wiki
- B) Blog

- C) Podcast
- D) Microblog

29) These special programs continually look for new information and update the databases used by search services.

- A) Spiders
- B) Webcrawlers

- C) Bugs
- D) Hits

30) The _____ compares your entry against its database and returns the result, a list of sites on that topic.

- A) spider
- B) search engine

- C) wiki
- D) content evaluator

31) This type of e-commerce often resembles the electronic version of the classified ads or an auction.

- A) B2C
- B) C2C

- C) C2B
- D) B2B

32) Online banking is an example of what type of e-commerce?

- A) B2C
- B) C2C

- C) C2B
- D) B2B

33) Which of the following is not one of the three basic components of cloud computing?

- A) clients
- B) service providers

- C) the Internet
- D) wireless connectivity

34) In a(n) _____ sellers post descriptions of products at a website and buyers submit bids electronically.

- A) Web auction
- B) spider commerce

- C) digital transaction
- D) ActiveX control

35) Parents can use this type of program to block access to selected Websites.

- A) Spider
- B) FTP

- C) BitTorrent
- D) Filter

36) This method of file transfer has been used for decades and is frequently used for uploading changes to a website

- A) SSP
- B) FTP

hosted by an Internet service provider.

- C) BitTorrent
- D) Dropbox.com

37) This method of file transfer distributes file transfers across many different computers.

- A) SSP
- B) FTP

- C) BitTorrent
- D) Dropbox.com

38) The continuing development of the Internet that allows everyday objects embedded with electronic devices to

- A) Web 3.0
- B) Cloud

send and receive data over the Internet.

- C) IoT
- D) IoW

39) Google Chrome is an example of a _____.

- A) browser
- B) world

- C) net
- D) cloud

40) The protocol _____ is used for web traffic and is one of the most widely used Internet protocols.

- A) URL
- B) https

- C) TLD
- D) css

41) In “http://www.simnetonline.com,” the underlined section is the _____ name.

- A) server
- B) top-level

- C) domain
- D) uniform resource locator

42) HTML stands for _____.

- A) Hypertools Main Linguistics
- B) Hyperlink Tools Main Language
- C) Hypertools Markup Linguistics

- D) Hypertext Markup Language

43) References and _____ connect to other documents or web pages containing related information.

- A) hyperlinks
- B) markups

- C) hotspots
- D) resource locators

44) Special web browsers, called _____ browsers, are designed to run on portable devices such as cell phones and tablets.

- A) web-based
- B) mobile

- C) cloud
- D) client-based

45) _____ e-mail systems do not require an e-mail program to be installed on your computer.

- A) Client-based
- B) Microblog

- C) Web-based
- D) Podcast

46) Unsolicited e-mail is called _____.

- A) wiki
- B) blog

- C) casting
- D) spam

47) _____ messaging is the process of sending short electronic messages using a wireless network.

- A) Text
- B) Webcast

- C) E-mail
- D) Podcast

48) A(n) _____ allows an individual or company to share posts with an audience; however, they are designed to be used with mobile devices and limit the size of posts.

- A) podcast
- B) microblog

- C) webcast
- D) e-mail

- 49) One of the most popular microblogging sites is _____.
A) Facebook
B) Google
C) Twitter
D) Wiki
- 50) A(n) _____ is a website specially designed to allow visitors to use their browser to add, edit, or delete the site's content.
A) podcast
B) social network
C) blog
D) wiki
- 51) "Wiki" comes from the Hawaiian word for _____.
A) fast
B) changeable
C) social
D) small
- 52) A(n) _____ engine is a specialized program that assists you in locating information on the web and the Internet.
A) micro
B) search
C) wiki
D) cloud
- 53) Some sites promote _____ or information that is inaccurate or biased.
A) spiders
B) wikis
C) fake news
D) pods
- 54) When evaluating a

website's content, whether or not the information is up to date is considered part of the _____ element.

- A) authority
- B) accuracy

- C) objectivity
- D) currency

55) _____ cash is the Internet's equivalent to traditional cash.

- A) Digital
- B) Currency

- C) Wiki
- D) Bit

56) _____ computing provides access to software, programs, and data from anywhere through an Internet connection.

- A) Service provider
- B) Cloud

- C) Three-way
- D) Client

57) An Internet _____ is a collection of utility programs designed to maintain your security and privacy while you are on the web.

- A) plug-in suite
- B) filter set

- C) security suite
- D) file transfer set

58) Knowledge of HTML and CSS is considered essential for the job of a(n) _____.

- A) podcaster
- B) browser manager

- C) blogger
- D) webmaster

59) A _____ is an example of an IoT device.

A) Fitbit

B) land line telephone

C) bicycle

D) railway car

60) The Internet connects millions of computers and resources throughout the world via wires, cables, and satellite.

☐ true

☐ false

61) The Internet and the Web are the same.

☐ true

☐ false

62) The Apple Health application is a Web 3.0 application.

☐ true

☐ false

63) In addition to an Internet connection, users need browser software to easily display web resources.

☐ true

☐ false

64) In order to connect to a website, the browser must know only the site's domain name.

☐ true

☐ false

65) JavaScript is a language often used within HTML documents to trigger interactive features.

☐ true

☐ false

66) Cascading Style Sheets (CSS) are files inserted into an HTML document that control the appearance of web pages

including layout, colors, and fonts.

☐ true

☐ false

67) PHP is a language often used within HTML documents to improve a website's interactivity.

☐ true

☐ false

68) Client-based e-mail accounts require a special program called an e-mail client to be installed on your computer.

☐ true

☐ false

69) Attachments to e-mail messages can be a document or an image.

☐ true

☐ false

70) CAN-SPAM requirements have proven to be more effective than spam blockers at preventing unwanted e-mail.

- ☐ true
- ☐ false

71) Instant messaging allows text only.

- ☐ true
- ☐ false

72) Cloud computing is an example of a social networking site.

- ☐ true
- ☐ false

73) LinkedIn is a business-oriented social networking site that you should visit if you are looking for professional employment.

- ☐ true
- ☐ false

74) Instagram, a popular microblogging site, is designed to share images and videos posts, with little to no written content.

- ☐ true
- ☐ false

75) Wikis allow many individuals to edit the site's content.

- ☐ true
- ☐ false

76) All information found on the web through search tools can be considered as factual.

- ☐ true
- ☐ false

77) One of the greatest challenges for the growth of e-commerce is the development of fast, secure, and reliable

payment methods for buying goods.

- ☐ true
- ☐ false

78) News feed is the first page you see after logging into a social networking site.

- ☐ true
- ☐ false

79) Cloud computing has the potential to free end-users from owning, maintaining, and storing software and data.

- ☐ true
- ☐ false

80) Uploading is the process of copying a file from a website to your computer.

- ☐ true
- ☐ false

Answer Key

Test name: Computing Essentials 2021

Author: O'Leary
28th ch2

1) Apple's Health App, a Web 3.0 application, can access your Fitbit data, combine it with other related health data, analyze the data, and

report back to you through your cell phone.

2) The Internet was launched in 1969 when the United States funded a project to develop a national computer network called Advanced Research Project Agency Network (ARPANET). The Internet is an immense network that connects smaller networks all over the globe. Initially, the Internet was all text—no graphics, animations, sound, or

video. The web was introduced in 1991 and added a multimedia interface to the resources available on the Internet.

3) For browsers to connect to resources on the Internet, the address of the resources must be specified. These addresses are called uniform resource locators or URLs. All URLs have at least two basic parts. The protocol is the first part of the address and specifies which protocol (set of rules for exchanging data) to use when connecting to the Internet resources. In the example, <http://www.espn.com>, the protocol is http. The protocol https is used for web traffic and is one of the most widely used Internet protocols. The second part of the URL is the domain name, for example www.espn.com. This indicates the specific

address where the resource is located. The part of the domain name following the dot (.) is the top-level domain. It identifies the type of organization. A “.com” top-level domain indicates a commercial site.

4) JavaScript is a language often used within HTML documents to trigger interactive features, such as opening new browser windows and checking information entered in online forms. PHP, like JavaScript, is a language often used within HTML documents to improve a website's interactivity. Unlike

5) Instant messaging (IM) allows two or more people to contact each other via direct, live communication. To use instant messaging, you specify a list of friends and register with an instant messaging server. Whenever you connect to the Internet, special software informs your messaging server that you are online. In response, the server will notify you if any of your contacts are online. At the same

6) A wiki is a website specifically designed to allow visitors to use their browser to add, edit, or delete that site's content. Wikis support collaborative writing in which there is not a single expert author, but rather a community of interested people that builds knowledge over time. Although blogs may have multiple

7) To use a search website, you enter a keyword or phrase reflecting the information you want. The search engine compares your entry against its database and returns a list of hits, or sites that contain the keywords. Each hit includes a link to the referenced web page

JavaScript, which is executed on the user's computer, PHP executes on the website's computer.

time, it notifies your friends that you are online. You can then send messages directly back and forth to one another.

authors, community feedback is limited to adding comments to the site. Blogs are not a collaborative effort like wikis.

(or other resource) along with a brief discussion of the information contained at that location. Many

searches result in a large number of hits. For example, if you were to enter the keyword *music*, you would get billions of hits. Search engines order the hits according to those sites that most likely contain the information requested and present the list to

8) There are four elements to consider when evaluating the accuracy of information on the web: authority, accuracy, objectivity, and currency. Authority refers to the author's expertise on the subject. Is the site an official site for the information presented, or is the site an individual's personal website? In order to determine the accuracy of a website, read beyond the headlines and consult other reputable sources on any surprising claims to separate the real news from the fake. Headlines can be misleading and fake news articles often make their statements seem accurate by referencing other fake news

9) Electronic commerce, also known as e-commerce, is the buying and selling of goods over the Internet. The underlying reason for the rapid growth in e-commerce is that it provides incentives for both buyers and sellers. From the buyer's perspective, goods and services can be purchased at any time of day or night. Traditional commerce is typically limited to standard business hours

you in that order, usually in groups of 10.

articles. Objectivity is reached when the information is factually reported without an author bias. Finally, currency is the timeliness of the website. Is the information up to date? Does the site specify the date when the site was last updated?

when the seller is open. Additionally, buyers no longer have to physically travel to the seller's location. From the seller's perspective, the costs associated with owning and

operating a retail outlet can be eliminated. Another advantage is reduced inventory. Some of the disadvantages include the inability to provide immediate delivery of goods, the inability to "try on" prospective

10) The two greatest challenges for e-commerce is the development of (1) fast, secure, and reliable payment methods for purchased goods and (2) providing convenient ways to provide required information such as

11) D

12) B

13) A

14) B

15) A

16) B

17) C

18) A

19) B

20) A

21) B

22) D

23) B

purchases, and questions relating to the security of online payments.

mailing addresses and credit card information.

24) D

25) C

26) A

27) B

28) A

29) A

30) B

31) B

32) A

33) D

34) A

35) D

36) B

37) C

38) C

39) A

40) B

41) C

42) D

43) A

44) B

- 45) C
- 46) D
- 47) A
- 48) B
- 49) C
- 50) D
- 51) A
- 52) B
- 53) C
- 54) D
- 55) A
- 56) B
- 57) C
- 58) D
- 59) A
- 60) TRUE
- 61) FALSE
- 62) TRUE
- 63) TRUE
- 64) FALSE
- 65) TRUE

- 66) TRUE
- 67) TRUE
- 68) TRUE
- 69) TRUE
- 70) FALSE
- 71) FALSE
- 72) FALSE
- 73) TRUE
- 74) TRUE
- 75) TRUE
- 76) FALSE
- 77) TRUE
- 78) TRUE
- 79) TRUE
- 80) FALSE