Summative assessment – Answers

**Answer the following multiple choice questions.**

1. What is a computer network?
   1. **Two or more computers connected together**
   2. A single computer
   3. A powerful computer that provides a service
   4. A set of rules
2. Which term describes a set of rules that computers on a network use to communicate with one another?
   1. Method
   2. **Protocol**
   3. Instruction
   4. Conduct
3. Which of the below is a valid protocol for email addresses?
   1. An ‘&’ character must be used
   2. **An ‘@’ character must be used**
   3. A ‘/’ character must be used
   4. An ‘\*’ character must be used
4. This hardware device connects a number of computers together on a local network. This hardware device has ports that allow cables to be plugged in from each connected computer. What is the device?
   1. **Hub**
   2. Computer network
   3. Network cable
   4. Router
5. What is the name of a piece of hardware that is used to connect different devices together? This hardware is often made up of a number of wires.
   1. Protocol
   2. Server
   3. **Network cable**
   4. Hub
6. A common function of this hardware device is to join a home network to the internet via your internet service provider (ISP). What is the device?
   1. **Router**
   2. Server
   3. Network cable
   4. Hub
7. This device is often described as a powerful computer that provides services. One example of a service that it can provide is shared access to files such as text, images, sound, or video. What is the device?
   1. Router
   2. Hub
   3. Network
   4. **Server**
8. Which one of the below is an example of a wired communication technology?
   1. 4G
   2. **Network cable**
   3. WiFi
   4. Bluetooth
9. Which term describes the amount of data that can be moved from one point on a network to another point in a given time?
   1. **Bandwidth**
   2. Speed
   3. Flow
   4. Bits per second
10. Which of the activities below requires downloading information to your computer?
    1. Putting a video on YouTube
    2. Adding an image to a post on your social media feed
    3. **Browsing a web page**
    4. Posting a comment on Snapchat
11. Which of the below describes the term ‘buffering’?
    1. Your device is making a connection to the internet
    2. **Data is arriving at your device at a slower rate than it is being processed**
    3. Data is sent from your device to another device across the internet
    4. Data is arriving at your device at a faster rate than it is being processed
12. Which of the following is an advantage of a wired network?
    1. No trailing wires
    2. It allows portability
    3. It is quick and cheap to connect new devices
    4. **Better security**
13. Which term is described as a “worldwide network of computers made up of cables, routers, and other pieces of hardware used to connect devices together”?
    1. World Wide Web
    2. **Internet**
    3. Local network
    4. 4G
14. Which of the following is the address used to uniquely identify every device on the internet?
    1. Machine address
    2. Postal address
    3. **IP address**
    4. MAC address
15. Large amounts of data sent across the internet are split into smaller units. What is the name of these smaller units of data?
    1. Letters
    2. Parcels
    3. Packages
    4. **Packets**
16. Which of the following best describes an IP address?
    1. **4 numbers ranging between 0 and 255, separated by dots**
    2. 8 numbers ranging between 0 and 10, separated by ‘@’ signs
    3. 3 numbers ranging between 0 and 10, separated by dots
    4. 4 numbers ranging between 0 and 100, separated by dashes
17. Which protocol splits messages across the internet into smaller pieces of data?
    1. IP
    2. HTTP
    3. HTTPS
    4. **TCP**
18. Which of the following describes the World Wide Web?
    1. Two or more computers connected together
    2. A worldwide network of computers
    3. **Websites, web pages, and links**
    4. A very powerful computer that provides services
19. Which of the following internet services allows voice data to be sent over the internet?
    1. **VoIP**
    2. Email
    3. WWW
    4. Instant messaging
20. Which of the following is used to describe taking everyday items and connecting them to the internet?
    1. Web of Items
    2. Online Devices
    3. **Internet of Things**
    4. Smart Devices
21. Which of the following is a piece of software used to view information on the World Wide Web?
    1. Web server
    2. **Web browser**
    3. Web page
    4. URL
22. Which of the following stores websites on the internet?
    1. **Web server**
    2. Web browser
    3. Web page
    4. URL
23. Which of the following best describes the purpose of websites that use a “.edu” top-level domain?
    1. Sites used to inform and provide public services
    2. Sites used by non-profit companies such as charities
    3. **Sites ranging from nursery schools’ to universities’**
    4. Sites likely to promote something
24. Which of the following website activities should make use of HTTPS?
    1. Checking the latest sporting news
    2. **Registering your details on a new social media site**
    3. Researching a holiday abroad
    4. Watching a video

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