Under the patronage of His Excellency the Minister of Education,

Mr. Mohamed Abdel Latif

Weekly Assessments for Programming and Artificial Intelligence for General Education (First Secondary Grade)

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First Week

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Choose the correct answer:

1. **What is meant by a computer network?**
   a) A program for storing data.
   b) A group of connected devices to exchange data.
   c) An output device.
   d) An operating system.

2. **Which of the following is an example of a Local Area Network (LAN)?**
   a) The Internet.
   b) An international network.
   c) A network of devices within a single building.
   d) A satellite network.

3. **Which of the following is considered a wireless communication medium?**
   a) Fiber optic cable.
   b) Copper cable.
   c) Wi-Fi.
   d) Ethernet.

4. **Which connection type features the highest data transfer speed?**
   a) Coaxial cable.
   b) Bluetooth.
   c) Infrared.
   d) Fiber optics.

5. **What is the function of an IP address?**
   a) Identifying the website name.
   b) Identifying the location of a device on the network.
   c) Increasing internet speed.
   d) Data protection.

6. **An IPv4 address consists of:**
   a) 2 numbers only.
   b) 4 groups of numbers.
   c) 6 groups of letters.
   d) One long number.

Choose the correct answer:

1. **A network that covers a large geographical area is called:**
   a) LAN
   b) MAN
   c) PAN
   d) WAN

2. **In a Peer-to-Peer model, devices are:**
   a) Linked to a main server.
   b) Unable to share files.
   c) Equal in permissions/privileges.
   d) Connected to the internet only.

3. **Bluetooth technology is most commonly used for:**
   a) Global networks.
   b) Connecting short-range devices.
   c) Communication via cables.
   d) Server networks.

4. **One of the disadvantages of wireless communication is:**
   a) Ease of use.
   b) Flexibility.
   c) Low cost.
   d) Susceptibility to interference (noise).

5. **Which of the following is a correct example of an IP address?**
   a) www.google.com
   b) 192.168.1.1
   c) google@com
   d) http://site

6. **What is the benefit of Domain Names?**
   a) Replacing an IP address with an easy-to-remember name.
   b) Data encryption.
   c) Increasing storage capacity.
   d) Preventing internet connection.

Choose the correct answer:

1. Which network model relies on a central main server?
   a) Peer to Peer
   b) LAN
   c) Client / Server
   d) PAN

2. One of the benefits of using networks is:
   a) Increasing data size.
   b) Sharing resources and information.
   c) Reducing device efficiency.
   d) Preventing data exchange.

3. Which of the following is a wired communication method?
   a) Wi-Fi
   b) Bluetooth
   c) Infrared
   d) Fiber optic cable

4. Wired connection is preferred because it is:
   a) Less secure.
   b) Slow.
   c) More stable and secure.
   d) Affected by interference.

5. Which of the following is a Domain Name?
   a) 172.16.0.1
   b) 255.255.255.0
   c) www.moe.gov.eg
   d) 10.0.0.5

6. The server responsible for converting a domain name into an IP address is:
   a) Web Server
   b) File Server
   c) DNS Server
   d) Mail Server