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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The second week

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Choose the correct answer:

1. What is meant by a communication protocol?

   a) A device to strengthen the network.

   b) A set of rules that govern the exchange of data.

   c) A web browsing program.

   d) A type of cable.

2. Which protocol is used for communication over the Internet?

   a) HDMI

   b) USB

   c) TCP/IP

   d) VGA

3. A database is:

   a) A collection of unordered files.

   b) A word processing program.

   c) An external storage device.

   d) An organized collection of data.

4. The primary goal of using databases is:

   a) Data redundancy (repetition).

   b) Difficulty in accessing information.

   c) Ease of storing and retrieving data.

   d) Increasing file sizes.

Choose the correct answer:

1. The IP protocol is responsible for:

    a) Encrypting data.

    b) Identifying the device address on the network.

    c) Displaying web pages.

    d) Sending emails.

2. The importance of communication protocols lies in being:

    a) Optional.

    b) Used in small networks only.

    c) Essential for successful communication between devices.

    d) Responsible for increasing data size.

3. A Database Management System (DBMS) is:

    a) A computer hardware.

    b) A programming language.

    c) A software program to manage databases.

    d) An operating system.

4. Which of the following is an example of a Database Management System?

    a) Microsoft Access

    b) Google Chrome

    c) Microsoft Word

    d) Windows

Choose the correct answer:

1. The TCP protocol is responsible for:

    a) Identifying the device address.

    b) Ensuring data arrives complete and in order.

    c) Translating domain names.

    d) Encrypting data.

2. Which statement is true regarding communication protocols?

    a) They differ from one user to another.

    b) They are unnecessary in networks.

    c) They organize the communication process between devices.

    d) They are used in computers only.

3. Which of the following is an example of a database?

    a) A picture.

    b) A video.

    c) An organized data table.

    d) An audio file.

4. One of the advantages of databases is:

    a) Difficulty in updating data.

    b) Information redundancy.

    c) Easy loss of data.

    d) Speed of searching and editing.