



Central Administration for General Education
Educational Computer Material Development Department

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 Fourteenth Week

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Weekly Assessment:

First Test

Choose the correct answer:

1. In the process of image digitization, which unit, expressed in (dpi), determines the degree of clarity and detail of the image during the sampling process?

- A) Encoding**
- B) Quantization**
- C) Resolution**
- D) Pixel**

2. Examples of input units include:

- A) Monitor and printer.**
- B) Keyboard and scanner.**
- C) Hard Disk Drive (HDD) and Solid State Drive (SSD).**
- D) Speakers and wireless mouse.**

3. What is meant by Software?

- A) The physical devices of the computer.**
- B) The programs and data that run on the hardware.**
- C) Only the computer's memory.**
- D) The network components.**

Second Test

Choose the correct answer:

1. What is the term that refers to the visual representation of data to make it more understandable, examples of which include tables, charts, etc.?
 - A) Abstraction
 - B) Pictogram
 - C) Structuring
 - D) Visualization

2. The standard used for connecting computers within Local Area Networks (LAN) is:
 - A) HDMI.
 - B) Bluetooth.
 - C) Ethernet.
 - D) USB.

3. What does the term "Hardware" refer to?
 - A) Software
 - B) Digital data
 - C) The physical devices of the computer
 - D) Program code

Third Test

Choose the correct answer:

1. The smallest unit that determines the shape of a digital image, and by whose arrangement the image is represented, is:

- A) Resolution unit (dpi)
- B) Pixel
- C) Sampling
- D) Encoding

2. Programs and data are temporarily stored in:

- A) Primary memory (RAM).
- B) Secondary memory (Storage).
- C) Arithmetic Logic Unit (ALU).
- D) Input unit.

3. What controls the communication between the hardware and the software?

- A) Operating System
- B) User
- C) Input Unit
- D) Screen