



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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Third Week

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Weekly assessment

First test

Put (√) mark in front of the correct statement and (×) mark in front of the wrong statement:

- 1) A password is a string of characters used to verify that a user is legitimate. ()
- 2) It is preferable for the password to be short so that it is easy to remember. ()

Choose the correct answer:

3) One-Time Password (OTP) means:

- a) A password that never changes.
- b) A password that can be used multiple times.
- c) A password that changes periodically and is used only once.
- d) A password based on the date of birth.

4) Which of the following is an example of knowledge-based authentication?

- a) Fingerprint.
- b) Smart card.
- c) Password and PIN.
- d) SMS verification.

Second test

Put (v) mark in front of the correct statement and (x) mark in front of the wrong statement:

- 1) Biometric authentication relies on characteristics such as fingerprints and irises. ()
- 2) In two-factor authentication, two different types of factors are used for verification. ()

Choose the correct answer:

- 3) Two-step authentication relies on:
- a) Two different types of factors.
 - b) Two pieces of information of the same type of factor.
 - c) Fingerprint + password.
 - d) SMS code + smart card.
- 4) The number of possible probabilities to represent 3 bits is:
- a) 2
 - b) 4
 - c) 8
 - d) 16

Third test

Put (✓) mark in front of the correct statement and (✗) mark in front of the wrong statement:

- 1) A bit can represent more than two states at the same time. ()
- 2) 1 byte equals 8 bits and can represent 256 different probabilities. ()

Choose the correct answer:

3) The basic unit of information is:

- a) 1 megabyte
- b) 1 kilobyte
- c) 1 byte
- d) 1 bit

4) When converting the binary number 1011(2) to decimal, the result is:

- a) 10
- b) 11
- c) 12
- d) 13