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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Choose the correct answer:

1. Which of the following is an example of digital character encoding?

      A) ASCII

      B) Sans-serif

      C) Semi-cursive

      D) Font

2. The hexadecimal code for the character "H" in the string "Hello" is:

      A) 65

      B) 48

      C) 6C

      D) 6F

3. What is the ten's complement of the number 635 in the decimal system?

      A) 365

      B) 365

      C) 375

      D) 395

Choose the correct answer:

1. Which of the following elements is essential for displaying characters on a computer screen?

       A) Font only.

       B) Encoding only.

       C) Encoding + Font.

       D) Hexadecimal system.

2. Which of the following causes character corruption?

       A) Mismatch between encoding and decoding systems.

       B) Slow computer speed.

       C) Different font types.

       D) Low Random Access Memory (RAM).

3. In computers, the subtraction operation is performed using:

       A) Addition using complements

       B) Multiplication by the complement of the number

       C) Conversion to the decimal system

       D) Direct subtraction

Choose the correct answer:

1. The character "H" in the string "Hello" is represented in hexadecimal by the code:

        A) C6

        B) 65

        C) 48

        D) F6

2. To display characters on a computer screen, we need:

        A) Font only

        B) Encoding only

        C) Encoding and Font together

        D) Hexadecimal encoding only

3. What is the ten's complement of the number 71 in the decimal system?

        A) 18

        B) 29

        C) 29

        D) 31