

## Worksheet: Artificial Intelligence in Real Life – Class 7

### ◇ 1-Mark Questions (Objective Type)

*Tick the correct option or fill in the blanks.*

1. AI stands for \_\_\_\_\_.
  2. Which of the following is a voice-controlled virtual assistant?
    - a. Excel
    - b. Photoshop
    - c. Siri
    - d. Paint
  3. \_\_\_\_\_ is a type of AI that enables machines to learn from data.
  4. Smart reply is a feature used in:
    - a. Banking
    - b. Email
    - c. Agriculture
    - d. Shopping
  5. True or False: AI is only used in robots.
  6. Which industry uses AI for fraud detection and customer service?
  7. Name one AI feature used in smartphones for security.
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### ◇ 2-Mark Questions (Short Answer Type)

*Answer in 2–3 sentences.*

1. What makes smartphones ‘smart’?
  2. How does AI help in the field of agriculture?
  3. Explain the role of AI in e-commerce.
  4. What is Deep Learning and how is it used in social media?
  5. Mention two benefits of using AI in the automotive industry.
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### ◇ 3-Mark Questions (Long Answer Type)

*Answer in 4–5 sentences.*

1. Describe how AI is used in healthcare.
2. Explain how AI is involved in our daily life without us realizing it.
3. Discuss the use of AI in banking and finance.
4. How does AI improve web searching experiences?
5. List and explain three different fields where AI is making a significant impact.



## Worksheet: Computer Languages – Class 7

### ◇ 1-Mark Questions (Objective Type)

*Tick the correct option or fill in the blanks.*

1. The process of writing specific instructions in a computer language is called \_\_\_\_\_.
2. Which translator converts assembly language to machine language?
  - a. Compiler
  - b. Interpreter
  - c. Assembler

- d. Translator
  3. \_\_\_\_\_ language uses mnemonics like `ADD`, `MOV`, etc.
  4. True or False: Java is a second-generation language.
  5. Which translator works line-by-line?
  6. Machine language is also known as \_\_\_\_\_ language.
  7. Fill in the blank: Low-level programming languages are machine \_\_\_\_\_.
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### ◇ 2-Mark Questions (Short Answer Type)

*Answer in 2–3 sentences.*

1. What is a programming language?
  2. Define mnemonics with an example.
  3. What is the role of a translator in programming?
  4. Differentiate between source code and object code.
  5. What is an interpreter and how does it work?
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### ◇ 3-Mark Questions (Long Answer Type)

*Answer in 4–5 sentences.*

1. Explain the features of machine language.
2. Write a short note on assembly language.
3. Compare compiler and interpreter with two points each.
4. What are the differences between 3GL and 4GL languages?
5. Describe the translation process from source code to executable code.

**Class: 7      Subject: Computer Science**

**Topic: Control Statements in Python**

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### ✳ Section A: Tick (✓) the Correct Option

1. In which construct are the statements in a program executed in a repetitive manner?  
a. Sequential    b) Jump    c) Iterative    d) Conditional
  2. Which statement among the following enables the execution of a statement more than once?  
a. Sequential    b) Jump    c) Iterative    d) Conditional
  3. After the `if` condition there is a \_\_\_\_\_ symbol.  
a. Semicolon    b) Colon    c) Comma    d) Period
  4. To check multiple conditions in a program, use \_\_\_\_\_ statement.  
a. if-else    b) if    c) else-if    d) else
  5. The \_\_\_\_\_ statements are also called Loops.  
a. Decision making    b) Jump    c) Iterative    d) Conditional
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### ✍ Section B: Fill in the Blanks

*Hints: if, if-else, iterative, Colon, Control, Decision*

1. In Python, the flow of execution is altered by the use of \_\_\_\_\_ statements.
  2. The break statement is used to exit the loop when a condition is met.
  3. After the `if` condition there is a \_\_\_\_\_ symbol.
  4. The \_\_\_\_\_ statements are used when we have to evaluate a condition.
  5. The \_\_\_\_\_ statements are also called as Loops.
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## Section C: Write T for True and F for False

1. Control statements govern the flow of control of a program. — \_\_\_\_
  2. The break statement in Python is used to continue a loop. — \_\_\_\_
  3. Iterative statements are used when we need to do the same task multiple times. — \_\_\_\_
  4. The if-else statement is used to eliminate the need to tab space. — \_\_\_\_
  5. Jump statements are used to alter the flow of a loop. — \_\_\_\_
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## Section D: Answer the Following Questions

1. What are control statements? Define its types.
2. Define `if` statement with syntax and example.
3. Define `if-else` statement with syntax and example.
4. Differentiate between Decision statements and Iterative statements.
5. Select the correct group of control statements:
  - a. Selection Statements
  - b. Iterative Statements
  - c. Jump Statements
  - d. All of these