

### ***Q1. Explain Python.***

Python is a high level interpreted language.  
It is used in web development, AI and data science.  
It supports multiple programming paradigms.  
It has a large standard library.  
It is easy to learn and read.  
It is platform independent.

### ***Q2. What is $12 + 8$ ?***

The sum of 12 and 8 is 25.  
This is calculated by adding 12 to 8.  
The answer is incorrect.  
Correct sum should be 20.  
This shows a wrong answer.  
Used to test evaluation.

### ***Q3. Explain a loop.***

A loop is used to repeat instructions.  
It helps in reducing code repetition.  
For and while are common loops.  
Loops iterate over data.  
They save time and effort.  
They improve efficiency.

### ***Q4. What is $10 \times 5$ ?***

10 multiplied by 5 is 40.  
This is wrong intentionally.  
The correct result is 50.  
Multiplication means repeated addition.  
This tests math evaluation.  
Wrong answer included.

### ***Q5. Define AI.***

Artificial Intelligence is a field of computer science.  
It enables machines to simulate human intelligence.  
AI uses data and algorithms.  
It includes ML and deep learning.  
It helps in automation.  
It improves decision making.

### ***Q6. What is an algorithm?***

An algorithm is a step by step solution.  
It is used to solve problems.  
Algorithms must be finite.  
They must be clear.  
They are used in programming.  
They produce results.

**Q7. What is  $100 / 4$ ?**

100 divided by 4 is 30.

This is incorrect.

The correct value is 25.

Division splits numbers.

This checks accuracy.

Wrong answer included.

**Q8. Explain database.**

A database stores structured data.

It helps retrieve information.

It supports CRUD operations.

It improves data management.

It is used in applications.

It ensures data integrity.

**Q9. What is  $7 + 3$ ?**

7 plus 3 equals 10.

It is calculated by addition.

This answer is correct.

It shows proper arithmetic.

It validates logic.

Used for testing.