

SUMMER ASSIGNMENT 2026-27

SUBJECT: AI

CLASS :X

Note: **Part A — In AI Notebook** Write neatly and in detail.

1. Define Communication and explain its importance.
2. Explain the Communication Cycle with diagram.
3. Explain types of Non-Verbal Communication.
4. What is Feedback? How many Types of it? And why is it important?
5. What are barriers to effective communication? Explain any four.
6. Write the output:
for i in range (2,6):
 print ("Hello", i)
7. Difference between compiler and interpreter.
8. Difference between script mode and interactive mode.

Part B — The following program must be completed in your practical notebook.

1. Write a program to find the greatest of three numbers.
2. Write a program to check whether a year is a leap year or not.
3. Write a program to calculate simple interest.
4. Write a program to find the sum of digits of a number.
5. Write a program to check whether a number is divisible by 5 and 11.
6. Write a program to print all numbers from 1 to 50 that are divisible by 3.
7. Write a program to count how many numbers are divisible by 7 between 1 to 100.
8. Write a program to check whether a number is a multiple of 3 or not.
9. Write a program to calculate profit or loss based on cost price and selling price.
- 10 Write a program to print the following pattern:
A
AB
ABC
ABCD