1 Choose the correct answer:

1 ..... is used to clean and process data in Python.

a. Pandas b. Matplotlib c. NumPy d. ReLU

2 The term "Artificial Intelligence" was officially introduced during the ..... Conference.

a. Dartmouth b. London c. New York d. Oxford

3 ..... is the basic unit for building Artificial Neural Networks.

a. Complex algorithm b. The artificial neuron

c. Smart assistant d. Image

4 The result of the np.mean() function in Python is usually a/an ..... .

a. float (decimal) b. text string

c. integer only d. date format

5 ..... is the first step in building an artificial neuron.

a. Summing inputs b. Passing to function

c. Identifying data type d. Output

6 The function np.mean( ) is used to calculate the ..... .

a. largest number b. smallest number

c. arithmetic mean d. summing lists

7 ..... library is used for scientific calculations.

a. NumPy b. Seaborn c. Matplotlib d. Pandas

2 Put (✓) or (✗):

1 Data analysis helps in making fact-based decisions. ( )

2 Artificial intelligence is a brand-new idea that started in 2024. ( )

3 Humans are the final decision-makers because they have ethics and awareness. ( )

4 Artificial neurons are used only in translation and not in image recognition. ( )

5 The activation function acts like a switch to make the final decision. ( )

6 AI can understand human emotions like joy and sadness perfectly. ( )

7 Python does not contain libraries to support data analysis. ( )

8 Smart cameras that recognize faces are a real-life application of neurons. ( )

LIVEWORKSHEETS