1.Which of the following is an example of analog data?

A. A digital photograph

B. A vinyl record

C. A text file

D. A CD

2. What is the main advantage of using subroutines in a program?

a) They make the code longer.

b) They make the code harder to read.

c) They allow code reuse and improve organization.

d) They increase the execution time of the program.

3. Which of the following is a common use for autonomous robots?

a) Typing documents

b) Vacuuming floors

c) Painting walls

d) Cooking meals

4. What is a key component that allows autonomous robots to navigate their environment?

a) Remote control

b) Wheels

c) Sensors

d) LED lights

5. Which type of sensor is commonly used by autonomous robots to detect obstacles?

a) Temperature sensor

b) Ultrasonic sensor

c) Pressure sensor

d) Humidity sensor