1.Which statement correctly checks if button A is pressed on the Microbit?

a) if button\_a.is\_pressed():

b) if button\_A.is\_pressed():

c) if Button\_A.is\_pressed():

d) if buttonA.is\_pressed():

2. Which statement correctly checks if both buttons A and B are pressed simultaneously on the Microbit?

a) if button\_a.is\_pressed() and button\_b.is\_pressed():

b) if button\_A.is\_pressed() & button\_B.is\_pressed():

c) if Button\_A.is\_pressed() and Button\_B.is\_pressed():

d) if buttonA.is\_pressed() & buttonB.is\_pressed():

3. Which statement is used for selection in Python?

a) for

b) if

c) while

d) switch

4. What does iteration mean in programming?

a) Repeating a block of code a fixed number of times

b) Selecting a specific option from a set of choices

c) Executing a block of code repeatedly based on a condition

d) Arranging elements in a particular order

5. Which loop in Python is used when the number of iterations is known?

a) while loop

b) for loop

c) do-while loop

d) repeat-until loop