Multiple Choice (1 mark each)

1. What is the purpose of a loop in VEX VR?
A. To move in a circle
B. To repeat actions
C. To test sensors
D. To stop the program
2. Which block checks for an obstacle in front of the robot?
A. if touching object
B. if wall_detected()
C. repeat until
D. if sensor_on()
3. What does the command 'Turn right 90 degrees' do?
A. Spins forever
B. Turns the robot halfway
C. Rotates the robot 90° clockwise
D. Makes the robot turn left
4. What is the correct unit used to move the robot forward in VEX VR?
A. Pixels
B. Degrees
C. Millimetres (mm)
D. Seconds
5. What is the role of the [Repeat x times] block?
A. It checks for errors
B. It makes a shape
C. It repeats a group of blocks a set number of times
D. It saves the code
6. Which block in VEXcode VR moves the robot forward a set distance?

Turn Right

Drive Forward

Set Drive Velocity

Repeat

7. What is the Python equivalent of the "Drive Forward" block?

turn_right()

drive_velocity(100)

drive_for(FORWARD, 200, MM)

start_drive()

8. In Python, what does wait(1, SECONDS) do?

Pauses the robot for 1 second

Waits for user input

Stops the program

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None of the above

9. Why is from vex import * important in a VEX VR Python program?

It creates variables

It starts the robot automatically

It imports commands and robot functionality

None of the above

10. Which of the following correctly sets the robot's turning speed in Python?

drive_velocity(70)

set_turn_velocity(70, DEGREES)

set_turn_velocity(70, PERCENT)

turn_speed(70)

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