**Lesson 1: Practice Quiz**

**TOTAL POINTS 5**

1.

Question 1

Which of the following are components of **longitudinal control**? (Select all that apply)

**1 / 1 point**



Steering



Braking

**Correct**

Correct, braking is a component of longitudinal control.



Planning



Accelerating

**Correct**

Correct, accelerating is a component of longitudinal control.

2.

Question 2

Which of the following is **not** an example of OEDR?

**1 / 1 point**



Pulling over upon hearing sirens



Finding a route from your current location to a goal location



Stopping at a red light



Slowing down when seeing a construction zone ahead

**Correct**

Correct, finding routes between locations is a long term planning problem and not OEDR.

3.

Question 3

Which of the following tasks would you expect a**Level 2 system** to perform? (Select all that apply)

**1 / 1 point**



Maintain constant speed

**Correct**

Correct, maintaining speed is part of longitudinal control for the level 2 system.



Stay within a lane

**Correct**

Correct, maintaining speed is part of lateral control for the level 2 system.



Swerve and slow down to avoid a pedestrian



Change lanes

**Correct**

Correct, changing lanes is part of lateral control for the level 2 system.

4.

Question 4

What is the **distinction** between Level 3 autonomy and Level 4 autonomy?

**1 / 1 point**



Level 3 systems cannot perform OEDR, Level 4 systems can



Level 3 systems only have lateral or longitudinal control, Level 4 systems have both



Level 3 systems cannot drive on highways, Level 4 systems can



Level 3 systems require full user alertness, Level 4 systems do not

**Correct**

Correct, level 3 systems cannot handle emergencies automatically and as a result require full user alertness.

5.

Question 5

What distinguishes Level 5 Autonomy from Level 4?

**1 / 1 point**



Level 5 autonomy can operate on any road surface and road type, while Level 4 cannot.



Level 5 autonomy can operate on any weather condition, while Level 4 cannot.



Level 5 has OEDR capability, while Level 4 does not.



Level 4 has a restricted operational design domain, whereas Level 5 is unrestricted.

**Correct**

Correct, level 5 systems can operate in any weather condition, on any road type or surface and in any scenario and remain safe.