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Lesson 1: Practice Quiz

Puntos totales 5

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

1 / 1 punto

- ☐ Planning
- ☐ Steering
- ☒ Accelerating

✓ **Correcto**
Correct, accelerating is a component of longitudinal control.

- ☒ Braking

✓ **Correcto**
Correct, braking is a component of longitudinal control.

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

1 / 1 punto

- ☐ Pulling over upon hearing sirens
- ☐ Slowing down when seeing a construction zone ahead
- ☒ Finding a route from your current location to a goal location
- ☐ Stopping at a red light

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

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

1 / 1 punto

- ☒ Change lanes

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

- ☐ Swerve and slow down to avoid a pedestrian
- ☒ Maintain constant speed

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

- ☒ Stay within a lane

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

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

1 / 1 punto

- ☒ Level 3 systems require full user alertness, Level 4 systems do not
- ☐ Level 3 systems cannot perform OEDR, Level 4 systems can
- ☐ Level 3 systems cannot drive on highways, Level 4 systems can
- ☐ Level 3 systems only have lateral or longitudinal control, Level 4 systems have both

 **Correcto**

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

5. What distinguishes Level 5 Autonomy from Level 4?

1 / 1 punto

- ☒ Level 4 has a restricted operational design domain, whereas Level 5 is unrestricted.
- ☐ Level 5 autonomy can operate on any weather condition, while Level 4 cannot.
- ☐ Level 5 autonomy can operate on any road surface and road type, while Level 4 cannot.
- ☐ Level 5 has OEDR capability, while Level 4 does not.

 **Correcto**

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