



Ticket in the Door 7.3 - Entrance Exam Chapter 7 - Key

This take-home exam includes Playbook and classroom activity Concepts 7.1 - 7.4. It is to be completed and discussed before beginning Concept 7.3 Following Time.

Name: _____ Date: _____ Score: _____

Short Answer

1. Define Inertia and momentum.

1. Inertia: **Newton's 1st law of motion is the tendency of an object to resist changes in motion. An object in motion stays in motion at the same speed in the same direction until acted upon by another force. An object at rest stays at rest until acted upon by another force.**
2. Momentum: **A measurement of inertia. The amount of momentum an object has depends on how much stuff is moving, how fast the stuff is moving, and the direction the stuff is moving in. (Momentum = Mass x Velocity) $P=M \bullet V$**

2. List five ways to keep traction control in a curve.

1. **See the radius of the curve**
2. **Obey warning signs**
3. **Use correct driveline**
4. **Brake before the curve**
5. **Use transition pegs**

3. Which of your front zones are closed when you approach a hillcrest like the one illustrated in the photo on the right?

All three of them

4. What is the cause of most rear-end collisions?

Following too closely

5. Is it lawful to pass a school bus when the amber lights (student loads) are activated?

Yes. Use caution, cover your brake, and be prepared to stop if the red lights (student load) come on.

6. What is the legal response when turning left at a flashing yellow arrow?

You should wait behind the stop line, yield to oncoming traffic, and proceed when clear.

7. List four things you should do when you are being tailgated.

1. **Keep at least 4 seconds of space**
2. **Avoid sudden moves**
3. **Avoid abrupt speed adjustments**
4. **Communicate early**
5. **Slow gradually**
6. **Pull over and let them pass if possible**
7. **Never engage in competitive or emotional behaviors**

