CHAPTER 4 Systems and Checks Prior to Driving (11 points)
STUDY GUIDE FOR CHAPTER 4 LESSON 1
Comfort and Control Systems

A. Match the vehicle part on the left with a description of one of the part’s functions on the right.

_____ 1. air conditioner a. turns on the vehicle’s electrical system
_____ 2. air vents b. makes your vehicle stop without a lot of foot power
_____ 3. ignition switch c. maintains speed so that you do not have to use the accelerator
_____ 4. accelerator pedal d. lowers the vehicle’s humidity
_____ 5. parking brake e. controls the direction in which the vehicle is going
_____ 6. power brakes f. keeps a stopped vehicle from rolling
_____ 7. cruise control g. allows outside air to flow into the vehicle
_____ 8. steering wheel h. controls speed
_____ 9. brake pedal i. allows you to switch gears with a manual transmission
_____ 10. clutch pedal j. enables you to slow or stop your vehicle

B. The ignition system has five positions. What are they, and what do they do?

1. On: _____________________________________________________________________________________________
   __________________________________________________________________________________________________

2. Start: _____________________________________________________________________________________________
   __________________________________________________________________________________________________

3. Off: ______________________________________________________________________________________________
   __________________________________________________________________________________________________

4. Lock: ______________________________________________________________________________________________
   __________________________________________________________________________________________________

5. Accessory: _________________________________________________________________________________________
   __________________________________________________________________________________________________

C. FIND OUT MORE. Talk with somebody you know who has a vehicle with cruise control.

1. When does this person use cruise control?

2. Does the person feel that less concentration is needed on the road because of cruise control?
STUDY GUIDE FOR CHAPTER 4  LESSON 2
Visibility and Protective Systems

A. For each sentence below, circle T if the statement is true and F if it is false. Correct each false statement in the space below.

1. Your side-marker lights come on when you turn on your headlights.  T  F
2. A good set of mirrors will eliminate all blind spots. T  F
3. You can rely exclusively on your mirrors when backing up. T  F
4. If you are wearing a shoulder-lap seat belt at the time of a crash, your risk of being killed is reduced by 50 percent. T  F
5. An example of a passive safety device is an air bag. T  F
6. All states require very young children to ride in safety-tested states and approved car seats. T  F
7. Air bags are most effective in preventing injuries in rear-end crashes. T  F
8. Head restraints are valuable in preventing injuries to the head because the restraints prevent your head from hitting the steering wheel. T  F

B. FIND OUT MORE. Ask an adult to move a vehicle to an open area. Get into the driver's seat, and adjust the mirrors so that you can see as much of what is behind and next to you as possible. Have the adult walk around the vehicle while you observe the person.

1. Where are the blind spots in that vehicle?
2. How did you know?
3. Draw a diagram below that demonstrates exactly where the blind spots are:

4. Look online or in your NJ MVC Manual to find the answer: During the daylight hours when rain, snow, or ice, motorists must turn on ___________________ and ___________________.


STUDY GUIDE FOR CHAPTER 4  LESSON 3
Information and Communication Systems

A. For each sentence below, circle T if the statement is true and F if it is false. Correct each false statement in the space below.

1. If your alternator warning light comes on, you should turn off any unnecessary electrical devices and check with a mechanic as soon as possible.  T  F

2. The oil-pressure gauge tells you if your vehicle is low on oil.  T  F

3. If brake fluid is leaking, the brake warning light will come on.  T  F

4. Your vehicle’s backup lights are red or amber and come on when you shift into Reverse.  T  F

5. Vehicles are required by law to have a license-plate light.  T  F

B. What does each of the following do? Ask someone you know who drives what the effect would be on the vehicle’s safety if each of the above did not work. Summarize the responses below.

<table>
<thead>
<tr>
<th>What does it do?</th>
<th>What if it is not working?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Speedometer</td>
<td></td>
</tr>
<tr>
<td>2. Fuel gauge</td>
<td></td>
</tr>
<tr>
<td>3. High-beam indicator</td>
<td></td>
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<tr>
<td>4. Temperature gauge</td>
<td></td>
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<tr>
<td>5. Alternator</td>
<td></td>
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<tr>
<td>6. Oil pressure gauge</td>
<td></td>
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<tr>
<td>7. Emergency flashers</td>
<td></td>
</tr>
<tr>
<td>8. Odometer</td>
<td></td>
</tr>
</tbody>
</table>

C. FIND OUT MORE. Look online or in your NJ MVC Manual to find the answer:

1. The best way to “talk” to other drivers on the road is to use __________________, _________________, and _________________.

2. What three (3) things does every good driver do before changing lanes or moving into traffic?
STUDY GUIDE FOR CHAPTER 4  LESSON 4
Checking Your Vehicle Before Driving

A. For each sentence below, circle T if the statement is true and F if it is false. Correct each false statement in the space below.

1. Each year, about 200 children under the age of six are killed while playing in the family driveway.  T  F
2. You should inspect the area around your vehicle after you get into it.  T  F
3. You should check the level of engine oil once a month.  T  F
4. When checking the battery, you should check for corrosion.  T  F
5. You should always load packages from the roadside of a parked vehicle.  T  F
6. When entering a vehicle, you should walk around the front of the vehicle, facing traffic.  T  F

B. What procedures should you follow for an inside-the-vehicle check before you start the vehicle?

1.

2.

3.

4.

5.

C. FIND OUT MORE. Look online or in your NJ MVC Manual to find the answer:

1. In the event of a crash or sudden stop, use of seat belts may keep you from ____________ ________ the seat, from hitting the _________________, and from being _____________ from the car.