

## UNIT 2

THIS IS NOT A TEST OR TEST QUESTIONS. YOU HAVE BEEN PROVIDED WITH THE IMPORTANT INFORMATION FROM UNIT 2. KNOWLEDGE OF THIS INFORMATION WILL HELP YOU WITH THE TEST 1

NEED TO KNOW:

1. Gravity and energy of motion
  - A. 2 laws of nature are
  - B. How gravity affects your vehicle when it is in motion?
  - C. How does your vehicle's speed and weight affect energy of motion?
  - D. Page 83 - Look at examples for letter C explanation
  
2. Friction and traction
  - A. How does traction help control your vehicle?
  - B. Part of the tire that provides traction
  - C. What is split traction?
  - D. What is proper inflation of tires. Important: How worn tires affect traction.
  - E. What three things reduce the amount of traction you will have for control.  
Why? (Explain each of the 3)
  - F. Why is it important to know the performance capabilities of other vehicles.
  - G. What factors can affect your vehicle in a curve.
  
3. Total Stopping Distance is What?
  - A. What 3 parts add up to your total stopping distance? Explain each.
  - B. How do we estimate your stopping distance?
  - C. Explain the 4-second rule. What does this estimate?
  - D. What factors affect your braking Distance?
  
4. Force of impact - what does this mean?
  - A. Name 3 factors that affect how hard a moving vehicle will hit another object?
  - B. Name types of energy absorbing features in vehicles
  - C. List types of passive and active restraint devices.
  
5. Steering and Signaling and changing lanes.
  - A. How do you steer straight forward and straight backwards? Know how to steer backwards using a stickshift.
  - B. Know the types of hand signals and how to use them.
  - C. What are the steps for changing lanes.
  
6. Turns and Turnabouts
  - A. How do you steer hand-over-hand steering

B. How do you turn left and right at intersections? What to look for - steps to follow for executing a left or right turn. Steps for a stickshift.

C. How do you back left and right.

D. What are 5 ways to turn the car around? Which is the safest us use.

#### 7. Parking

A. How do you angle park and perpendicular park?

B. What are the steps for Parallel Parking?

C. How do you park uphill and down Hill?

D. What are the procedures to start from a uphill parking space without roll back?

#### 8. Uncontrolled Intersections

A. What is and how do you identify an uncontrolled intersection?

B. What are the procedures to follow at an uncontrolled intersection?

#### 9. Controlled Intersections

A. How should you approach a controlled intersection with signals?

B. What action should you take when making both unprotected and protected left turns?

Why should you look left when making a turn?

C. What are 3 possible right turn conflicts

D. How should you turn right and left at a red light?

E. What steps should you take to move from a stop sign when your view is blocked?

#### 10. Judging time & distance

A. How should you judge gaps in traffic?

B. What should you do to cross and join traffic?

#### 11. Determining right of way

A. What is right of way?

B. What are the situations in which you must yield right of way?

#### 12. Railroad Crossings

A. What are the differences between controlled and uncontrolled crossings.

B. How are the two marked?

#### 13. Interacting with motorcycles

A. How should you use the IPDE process to protect motorcyclists

B. In what situations should you look for motorcyclists while driving?

14. A. How does acceleration and braking qualities of a motorcycle differ from a car?

B. What is a proper following distance for a motorcyclists? Why? Cars Following them?  
Why?

C. How can motorcyclists help to reduce conflicts?

D. When riding motorcycles, how do you become more usable?

15.
  - A. How can you help to prevent conflicts with bicyclists?
  - B. What guidelines should mopeds and motor scooter drivers follow when riding?
  
16.
  - A. In what areas should you expect to see pedestrians?
  - B. What precautions should you take with buses and parking lots?
  - C. What 3 steps should you take to clear the way for an emergency vehicle?
  
17.
  - A. What guidelines should you follow when passing large truckers?
  - B. When meeting a truck on the roadway, where should you position your vehicle on the roadway? Why?