

COMBINATION VEHICLES TEST

1. Except for trucks carrying livestock, a wheel or wheels at one end of an axle shall not carry more than:
 - A. 11,000 lbs.
 - B. 10,000 lbs.
 - C. 12,000 lbs.

2. The length limit for truck-tractor / semi-trailer traveling on interstate highways is listed at:
 - A. 70 feet
 - B. 75 feet
 - C. No length restrictions

3. Except for cranes, booms, and other special equipment, or loads composed solely of vehicles, the load on any vehicle or combination may not extend beyond the front bumper more than:
 - A. 3 feet
 - B. 4 feet
 - C. 5 feet

4. If you are towing a trailer which blocks your view to the rear, the law requires that you have mirrors:
 - A. On both left and right-hand outside
 - B. On the left-hand outside only
 - C. On the right-hand outside only

5. How often must you stop while on the road to check your cargo?
 - A. Two times per trip
 - B. Every two hours or 200 miles
 - C. At each major city
 - D. Every 150 miles or three hours

6. The amount of cargo a vehicle can haul is limited by:
 - A. The gross vehicle weight rating
 - B. The capacity rating of the suspension system
 - C. The maximum allowable axle weight
 - D. All of the above

7. What does tire load mean:
 - A. The expected service life of the tire
 - B. The maximum load a tire can carry at a specified pressure
 - C. The tire's recommended inflation pressure
 - D. The amount of friction generated by the tire

8. All of the following statements about cargo tie-downs are true, except:
 - A. The combined strength of all cargo tie-downs used must be strong enough to lift one and one half times the weight of the piece of cargo tied down
 - B. Cargo should have at least one tie-down for each 10 feet of cargo
 - C. Chains and tensioning devices are the only types of tie-downs allowed
 - D. No matter how small the cargo is, it should have at least two tie-downs

9. Smooth bore tankers:
 - A. Hold less liquid than baffled tankers
 - B. Are less likely to have forward and backward surge than baffled tankers
 - C. Handle better than baffled tankers
 - D. Are more likely to have forward and backward surge than baffled tankers

10. There are two things a driver can do to prevent a rollover. They are: 1) Go slow around turns: and 2)
 - A. Make sure that the brakes are properly balanced
 - B. Keep both hands firmly on the steering wheel
 - C. Keep the weight in your truck as close to the ground as possible

11. All of the following reduce the risk of rollover except:
 - A. Keeping cargo as low as possible
 - B. Taking turns slowly
 - C. Making quick lane changes
 - D. Keeping cargo centered on trailer

12. Fully loaded rigs are ___ times more likely to roll over in a crash than empty rigs.
 - A. 10
 - B. 25
 - C. 50

13. Which of the following statements is true?
 - A. The brake and suspension systems of combination vehicles are most effective with a light load
 - B. Light vehicles need more braking power to stop than heavy ones
 - C. "Bobtail" tractors take longer to stop than loaded combination vehicles

14. When a vehicle goes around a corner, the rear wheels follow a different path than the front wheels. This is called:
 - A. Off-road
 - B. Off-center
 - C. Off-tracking

15. Using the trailer hand valve before the brake pedal to prevent trailer skids in normal driving:
 - A. Should not be done
 - B. Results in the least skidding
 - C. Is the best method of straight-line braking

16. When should you use the trailer hand valve?
 - A. When testing the trailer brakes
 - B. When stopping on wet roads
 - C. When parking
 - D. When checking the fifth wheel locking device

17. You are driving a semi and the trailer breaks away, pulling apart the air lines. You expect the trailer brakes to come on and:
 - A. The tractor to lose all air pressure
 - B. The tractor brakes to keep working
 - C. The trailer supply valve to stay open

18. The trailer air supply control on newer vehicles is a red 8-sided knob which you use control the:
 - A. One way check valve
 - B. Emergency relay valve
 - C. Tractor protection valve

19. Why should you lock the glad hands or dummy couplers to each other when you are not towing another vehicle?
 - A. The air cycles back, getting cleaner each cycle
 - B. The connected brake circuit becomes a backup air tank
 - C. This will keep dirt and water out of the lines

20. Trailers made before 1975, equipped with air brakes:
 - A. Often do not have spring brakes
 - B. Are heavier and safer to use
 - C. Usually need a glad hand converter

21. It is very important to use wheel chocks when you park trailers without spring brakes for what reason?
 - A. Safety
 - B. Against the law
 - C. Emergency situations only

22. When you get ready to back under the trailer, line up:
- A. About 12 degrees off the line of the trailer
 - B. The kingpin to engage the driver's side locking jaw first
 - C. Directly in front of the trailer
23. You are coupling a tractor to a trailer and have backed up but are not under it. What should you hook up before backing under?
- A. The electrical service cable
 - B. The emergency and service air lines
 - C. Nothing. Back up and lock the fifth wheel
24. Which of the following sets of coupling steps is in the proper order?
- A. Supply air to trailer; lock trailer brakes; back under trailer; connect air lines to trailer
 - B. Back under trailer; connect air lines to trailer; supply air to trailer; lock trailer brakes
 - C. Lock trailer brakes; back under trailer; connect air lines to trailer; supply air to trailer
 - D. Connect air lines to trailer; supply air to trailer; lock trailer brakes; back under trailer
25. When backing under a trailer, you should use your:
- A. Lowest gear
 - B. Highest gear
 - C. Neutral gear
26. What part of the kingpin should the locking jaws close around?
- A. The shank
 - B. The head
 - C. The base
27. You have coupled a tractor with a trailer, where should the landing gear (front supports) be before driving away?
- A. $\frac{1}{2}$ raised with the crank handle secured in its bracket
 - B. $\frac{3}{4}$ raised with the crank handle secured in its bracket
 - C. Fully raised with the crank handle secured in its bracket
28. Wheel chocks should be used on vehicles without spring brakes:
- A. During emergency situations only
 - B. For safety while parking
 - C. Only during inclement weather
29. The following procedure is used to test _____ brakes. "Check for normal air pressure; release parking brakes; move vehicle forward slowly; pull hand control valve".
- A. Trailer emergency brakes
 - B. Tractor emergency brakes
 - C. Trailer service brakes
 - D. Tractor service brakes
30. Combination vehicles are usually heavier, longer and require more driving skill than single commercial vehicles.
- A. True
 - B. False
31. More than half of truck driver deaths in crashes are the result of truck rollovers. Trucks turn over easier when fully loaded and are:
- A. Easy to get turned back right
 - B. Five times more likely to roll over in a crash than empty rigs
 - C. Ten times more likely to roll over in a crash than empty rigs
32. The following two things will help rollovers.
- A. Keep the cargo close to the front and drive slowly around turns
 - B. Keep the cargo as close to the ground as possible and drive slowly around turns
 - C. Keep the cargo to the back of the rig and drive the speed limit

33. When you turn suddenly while pulling doubles, which trailer is most likely to turn over?
- The rear trailer is twice as likely to turn over as the tractor
 - The front trailer is twice as likely to turn over as the tractor
 - Each trailer is equally likely to turn over as is the tractor
34. Why should you not use the trailer hand brake to straighten out a jackknifing trailer?
- Because the brake handle is too hard to reach
 - Because the brakes on the trailer wheels cause the skid in the first place
 - Because the brakes on the trailer wheels will not respond to the hand brake
35. What is off tracking?
- When a vehicle goes around a corner, the rear wheels follow a different path than the front wheels
 - When a vehicle goes around a corner, and the driver pulls off the road
 - When a vehicle goes around a curve and turns back the other way
36. What is a "trailer jackknife"?
- When the tires on a trailer blow out
 - When the wheels of a trailer lock up and the trailer swings around
 - When the wheels of a trailer lock up and the trailer pulls the tractor to a stop
37. Should you swing wide to the left before starting a 90 degree turn?
- Yes
 - No
38. Why should you not use the trailer hand valve while driving?
- Because it won't work as well as the foot brake
 - Because you should use the parking brake
 - Because of the danger of making the trailer skid
39. Describe what the trailer air supply control does.
- It is used to supply the trailer with air, shut the air off and put on the trailer emergency brakes
 - It is a yellow, six sided knob used to control the tractor protection valve
 - It is a device used to keep the trailer behind the tractor
40. Describe what the service line is for:
- To carry air to the parking brake to control the trailer brakes
 - To carry air to a relay valve that allows the trailer brakes to be applied quickly
 - To carry air to the cab of the rig to cool it
41. What are the other names for the Service Air Lines?
- Control line or signal line
 - Straight line or control line
 - Curved line or signal line
42. What is the emergency air line?
- Air lines connecting the parking brake to the tractor in case of an emergency
 - Air lines that control the emergency brakes of the tractor
 - Air lines that control the emergency brakes on combination vehicles
43. What is the emergency air line for?
- To engage the front brakes of the tractor in case of an emergency
 - To engage the trailer brakes in case of air pressure loss
 - To have extra air pressure in case you need it
44. Why should you use chocks when parking a trailer without spring brakes?
- Because you don't want the trailer rolling down a hill
 - Because if the air pressure leaks away or down, there will be no brakes
 - Because some states require checking of trailer wheels