Doubles and triples

1. The stopping distance for a tractor trailer traveling 55 mph on dry pavement is...

A  Longer than a football field, about 300 feet
B  Two football fields, about 600 feet
C  Two thirds of a football field, about 200 feet
D  Half of a football field, about 150 feet

2. When coupling doubles, start by...

A  coupling the tractor to the second trailer
B  backing the converter dolly under the second trailer
C  coupling the converter tongue to the pintle hook on the first trailer
D  putting the second trailer against a dock

3. Trucks with double or triple trailers...

A  have a dangerous 'crack the whip' affect
B  present a rearward amplification hazard
C  can turn over in response to abrupt steering movements
D  all of the above

4. Inspect a converter dolly as if it were...

A  a trailer
B  cargo
C  an axle with a fifth wheel
D  an engine

5. To uncouple double trailers, you should park your rig...

A  On a slight incline
B  On level ground
C  In the company parking lot
D  On a soft surface
6. On trailers used as doubles and triples, you'll find shut off valves (cut off cocks) in the...

A  service air lines  
B  emergency air lines  
C  service and emergency air lines  
D  parking brake system only  

7. It is dangerous to unlock the pintle hook with the dolly still under the rear trailer because...

A  The dolly tow bar may fly up  
B  The brakes might release  
C  The kingpin might break off  
D  The fifth wheel might not be aligned  

8. A drive-wheel skid when pulling doubles could result in a jackknife when...

A  The tractor brakes lock up  
B  The trailer pushes the towed vehicle sideways  
C  The trailer slides off the right side of the road  
D  The tractor spins around  

9. To check for air flow to the last trailer...

A  Pull forward and step on brake pedal  
B  Open emergency shut off valve and listen for escaping air  
C  Step on brake pedal and watch for brake lights  
D  Test emergency brake lines on level surface  

10. You should test your tractor protection valve to avoid...

A  The emergency brakes coming on due to loss of air  
B  The loss of air from the air hose  
C  The loss of air from your trailer brakes  
D  All of the above
11. To test the trailer service brakes you should...
   A  Lightly test brakes at 5 mph
   B  Apply hand control and check to see if you feel the trailer brakes come on
   C  Depress the brake pedal
   D  Release air to the brakes

12. When pulling triple trailers, which unit is more likely to roll over?
   A  The front trailer
   B  The middle trailer
   C  The last trailer
   D  The tractor

13. When pulling triple trailers, always put the heaviest trailer...
   A  In the front
   B  In the rear
   C  In the middle
   D  It doesn't make a difference

14. When inspecting doubles, the shut off valves at the rear of the trailer should be...
   A  Open at the rear of front trailer, open at the rear of the last trailer
   B  Open at the rear of front trailer, closed at the rear of the last trailer
   C  Closed at the rear of front trailer, closed at the rear of the last trailer
   D  None of the Above

15. When steering to avoid a crash while pulling doubles, remember to...
   A  Keep both hands on the steering wheel
   B  Stay off the brake while turning
   C  Be prepared to counter-steer
   D  All of the above
16. When coupling the rear trailer, the correct trailer height is...

A ☐ Six inches of space between the upper and lower fifth wheel
B ☐ Slightly lower than the fifth wheel
C ☐ When the locking jaws are closed around the kingpin
D ☐ The kingpin touches the fifth wheel

17. When connecting the converter dolly to the rear trailer, you should remember to...

A ☐ Make sure trailer brakes are locked
B ☐ Make sure trailer height is correct
C ☐ Raise the landing gear slightly off the ground
D ☐ All of the above

18. Should you unhook the pintle hook with the converter dolly still under a trailer?

A ☐ Yes, this is standard procedure
B ☐ Yes, this keeps the trailer from falling
C ☐ No, this could damage the pintle hook
D ☐ No, this could result in your injury

19. When coupling twin trailers, you should release the dolly brakes by...

A ☐ Dropping the trailer onto the fifth wheel
B ☐ Opening the air tank petcock
C ☐ Letting the air out of the brake line
D ☐ Pushing the air release valve on the dash

20. To uncouple the converter dolly you should:

A ☐ Disconnect safety chains, lower the landing gear and chock the wheels
B ☐ Chock the wheels, lower the landing gear and disconnect safety chains
C ☐ Lower the landing gear, disconnect safety chains, and chock the wheels
D ☐ Chock the wheels, disconnect safety chains, and lower the landing gear
21. When driving with more than one trailer, which trailer should be the first one behind the tractor?

A ○ The lightest trailer
B ○ The heaviest trailer
C ○ The shortest trailer
D ○ None of the above

22. You are driving a 100 foot twin trailer combination at 50 mph. The road is dry and the visibility is good. You should keep at least ____ seconds of space ahead of you.

A ○ 9
B ○ 10
C ○ 11
D ○ 12

23. With the hand valve on, you should test the trailer brakes by opening the service line valve at the rear of the rig. When you do this, you should hear:

A ○ Air escape from the open valve
B ○ The service brakes slowly move to the fully applied position
C ○ The emergency line valve open and release air
D ○ None of the above

24. You are driving with double trailers and must use your brakes to avoid a crash. For emergency braking you should:

A ○ Push the brake pedal as hard as you can and hold it there
B ○ Use only the trailer brakes
C ○ Use controlled or stab braking
D ○ None of the above

25. Converter dollies:

A ○ Have little braking power because they are small
B ○ Often do not have spring brakes
C ○ Usually need a glad hand converter
D ○ All of the above
26. The crack the whip effect that troubles trucks with trailers. Which is most likely to tip over:

A  •  The rear trailer of a double
B  •  A full trailer behind a truck
C  •  The rear trailer of a triple
D  •  Any trailer

27. You are doing a walk around inspection of a double or triple trailer rig. You should be sure the converter dolly air tank drain valves are ____ and the pintle hook is ____.

A  •  Open, latched
B  •  Open, free
C  •  Closed, latched
D  •  Closed, free

28. When does the "driver's manual" advise disconnecting the steering axle brakes to help keep the rig straight?

A  •  When the road is dry
B  •  Any time you have to
C  •  When the road is slippery
D  •  Never

29. If a converter dolly is still under the second trailer and you unlock the pintle hook, what will probably happen?

A  •  The dolly tow bar may fly up
B  •  The air lines will rupture
C  •  The trailer brakes will unlock
D  •  Nothing, the weight of the trailer will keep it in place

30. You are visually checking the coupling of a converter dolly to the rear trailer. How much space should be between the upper and lower fifth wheel?

A  •  It depends on the load
B  •  None
C  •  1/2 to 3/4 of an inch
D  •  1/32 to 3/32 of an inch
31. Which of these statements about quick steering movements and doubles / triples is true?

A  Countersteering is easier with doubles / triples than with most other vehicles  
B  You should put on the brakes at the same time you perform quick steering movements  
C  Doubles / triples are no problem with a quick steering move  
D  Doubles / triples flip over from quick steering moves more easily than many other vehicles  

32. Empty trucks:

A  May have poor traction due to bouncing and wheel lockup  
B  Stop in the same distance as a fully loaded one  
C  Require shorter stopping distances than full ones.  
D  Are the easiest to stop since there is no shifting cargo  

33. You are driving a 100 foot truck with double trailers at 30 mph. The road is dry. Visibility is good. You should keep at least ____ seconds of space ahead of you:

A  9  
B  10  
C  11  
D  12  

34. If you want to couple a second trailer to your combination vehicle, secure it by using:

A  The trailer's spring brakes and emergency air brakes  
B  Wheel chocks  
C  Either of the above, if available  
D  None of the above  

35. The best way to stop all skids is to:

A  Use stab or controlled braking  
B  Countersteer and accelerate  
C  Restore traction to the tires  
D  Steer and brake hard
36. Driving a truck with double or triple trailers requires a driver to:

A ☐ Use special care in bad weather and mountain conditions
B ☐ Allow more following distance than for smaller vehicles
C ☐ Both A and B
D ☐ None of the above

37. The best way to keep brakes from overheating while going down a steep grade is to:

A ☐ Use stab braking
B ☐ Use only the trailer brakes
C ☐ Use countersteering practices
D ☐ Go 5 m.p.h. below your safe speed

38. If you must drive through deep puddles or flowing water, which of these should you not do?

A ☐ Drive though quickly
B ☐ Use a lower gear
C ☐ Increase engine RPM
D ☐ Take advantage of the water and let it wash off your tires etc.

39. Some large trucks have convex or "spot" mirrors which:

A ☐ Make things look smaller and farther away than they really are
B ☐ Do not need to be checked as often as flat mirrors because they show a larger area
C ☐ Are against the law in most states
D ☐ Make things look larger and closer than the really are

40. Which of these statements about seeing ahead is true?

A ☐ At highway speed, you should look up to 1/4 mile ahead of your truck
B ☐ Many drivers do not look far enough ahead of their truck
C ☐ Good drivers shift their attention back and forth, near and far
D ☐ All of the above are true
41. When should you check your mirrors while making a lane change?

A ☐ After signaling the change  
B ☐ Right after starting the lane change  
C ☐ After completing the lane change  
D ☐ All of the above

42. Which of these statements about managing space to the sides is true?

A ☐ Always keep your vehicle to the right side of your lane  
B ☐ You should avoid traveling next to others when possible  
C ☐ High winds are not a problem for doubles and triples  
D ☐ All of the above

43. Which of these statements about handling of doubles and triples is true?

A ☐ The rear trailer of a 100 foot triple is less likely to turn over than a single semi trailer due to the crack the whip effect  
B ☐ A triple bottom rig can stop quicker that a 5 axle tractor semi trailer due to off tracking  
C ☐ A sudden movement with the steering wheel can result in a tipped over rear trailer  
D ☐ None of the above

44. How can you be sure you supplied air to a second trailer?

A ☐ Go to the rear of the second trailer and open the emergency line shut off  
B ☐ Watch each trailer's air gauge for a drop of 30 psi  
C ☐ Apply the hand valve at 10 mph. You should stop in the same distance as a truck with one trailer at 5 mph.  
D ☐ Get out and listen for air flowing through the lines

45. You should check the height of the trailer before connecting a converter dolly to a second or third trailer. The trailer height is right when:

A ☐ The trailer will be raised slightly when the converter dolly is backed under it.  
B ☐ The kingpin rests on the fifth wheel  
C ☐ The center of the kingpin lines up with the locking jaws  
D ☐ All of the above
46. You want to hook your combination to a second trailer that has no spring brakes. To do this without wheel chocks you should:

A ☐ Make sure the trailer will roll freely when coupling
B ☐ Hook the trailer electric cord to a portable generator for braking power.
C ☐ Supply air to the trailer air system with the tractor and then disconnect the emergency line
D ☐ Couple the trailer to the tractor, everything is ok

47. Which of these in not a good thing to do when driving on slippery roads?

A ☐ Use the engine brake or speed retarder
B ☐ Use a light touch on the accelerator and brake pedals
C ☐ Keep other traffic out of you side space
D ☐ None of the above

48. Which of these will result in the best control on curves?

A ☐ There is really no need to slow down for a curve
B ☐ Downshift after you enter the curve
C ☐ Braking during the turn
D ☐ Slowing to a safe speed before entering the curve, then accelerate slightly during the curve

49. You are driving a set of doubles. A set of trailer wheels goes into a skid. Which of these is most likely to occur?

A ☐ The rig will continue to move in a straight line no matter how much the steering wheel is turned.
B ☐ You will have a trailer jackknife
C ☐ The rig will stay in a straight line but slide sideways
D ☐ None of the above

50. Before you can supply air to the air tanks of a second trailer you need to:

A ☐ Open the shut off valves at the rear of the first trailer, and close the shut off valves at the rear of the second trailer
B ☐ Close the shut off valves at the rear of both trailers
C ☐ Open the shut off valves at the rear of both trailers
D ☐ None of the above
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