1.		ern air brake systems combines three different systems. They are the ice brakes, the parking brakes and the:
	a. 🗖	S-S-cam brakes.cam brakes.
	b. C	Drum brakes.
	c.	Foot brakes.
	d. 🏻	Emergency brakes.
2.		nd water usually collect in compressed air tanks. If you do not have utomatic tank drain, when should you drain the air tanks?
	a. 🗖	After every working day.
	b. $\square$	After every four hours of service.
	c.	Once a week.
	d. 🗖	Every other week.
3.	Why	drain water from the compressed air tanks?
	a.	To keep from fouling the air compressor oil.
	b. $\square$	Water can freeze in cold weather and cause brake failure.
	c.	The low boiling point of water reduces braking power.
	d. C	Water over cools the compressor.
4.	Air b	orake equipped vehicles must have:
	a. 🗖	A supply pressure gauge.
	b. $\square$	An air use gauge.
	c.	At least two brake heaters.
	d. 🗖	A backup hydraulic system.

5.	What can legally hold a parking or emergency brake in position for a truck, truck tractor or bus?
	a. Fluid pressure
	b. Air pressure
	c. Spring pressure
	d. Any of the above
6	Air loss in a straight truck or bus should not be more than with the engine off and the brakes on.
	a. I psi in 30 seconds
	b. 1 psi in one minute
	c. 2 psi in 45 seconds
	d. S psi in one minute
7	To make an emergency stop with air brakes, using the stab braking method, you should:
	a. Pump the brake pedal rapidly and lightly.
	b. Brake hard until the wheels lock, and then get off the brakes for as much time as the wheels were locked.
	c. Brake as hard as you can, get off the brakes when the wheels lock, get back on the brakes when the wheels start rolling again.
	d. Press hard on the brake pedal and apply full hand valve until you stop.
8	You should know that your brakes are fading when:
	a. Pressure on the brake pedal is released and speed increases.
	b. You have to push harder on the brake pedal to control your speed on a downgrade.
	c. The brake feels spongy when pressure is applied.
	d. Less pressure is needed on the brake pedal for each stop.

9	To c shou	heck the free play of manual slack adjusters on s-cam brakes you ld:
	b. <b>□</b> c. <b>□</b>	Park on level ground, chock the wheels, and release the parking brakes.  Stop on level ground and apply the parking brakes.  Park on level ground and drain off air pressure before adjusting.  Park on a slight grade, release the parking brake, apply the service brakes, and check for vehiclement.
10	) If th tank	ne air compressor should develop a leak, what keeps the air in the s?
	b. <b>□</b> c. <b>□</b>	The tractor protection valve  The emergency relay valve  The one way check valve  The air compressor
1:	L Who	en driving down a long steep hill you should:
	b. 🗖	Use stab braking.  Begin braking when you are 10 M.P.H. above your safe speed.
	d. C	Release the brake when you are 5 M.P.H. below your  Use the trailer brakes.
12	uses	brake system that applies and releases the brakes when the driver the brake pedal is the:
	b. C	Service brake system.  Emergency brake system.  Parking brake system.  None of the above.
	<del>-</del>	

13 The most common type of foundation brakes found on heavy vehicles is the:
a. Disc brakes
b. Wedge drum
c. S-cam drum
d. None of the above
14 Vehicles with air brakes must have:
a. At least two air tanks.
b. An air pressure gauge to show the pressure available for braking.
c. An air pressure gauge, to show air used by the brake chambers for braking.
d. None of the above.
15 The driver must be able to see a warning that is given before air pressure in the service air tanks falls below:
a. C 80 psi
b. • 40 psi
c. 20 psi
d. C 60 psi
16 Which of the following makes the total stopping distance for air brakes longer than that for hydraulic brakes.
a. Brake lag distance.
b. C Action distance.
c. Perception distance.
d. Effective braking distance.

	he choices below, the first thing to do when a low air pressure ning comes on is:
a. 🗖	Open the air supply control valve.
b. 🗖	Adjust the brake pedal for more travel.
c.	Stop and safely park as soon as possible.
d. C	Up-shift.
18 The	braking power of the spring brakes:
a. 🗖	Can only be tested by highly trained brake service people.
b. 🗖	Depends on the adjustment of the service brakes.
c.	Increases when the service brakes are hot.
d. 🗖	Is not affected by the condition of the service brakes.
19 The	air compressor governor controls:
a. 🗖	When air is pumped into the air tanks.
b. 🗖	Air pressure applied to the brakes.
c.	The speed of the air compressor.
d. C	When the brake chambers release pressure.
20 The	application pressure gauge shows the driver how much pressure:
a. 🗖	Has been used on the trip.
b. 🗖	Is in the air tanks.
c.	None of these.
d. C	Is being applied to the brakes.

21 If your vehicle has an alcohol evaporator, every day during cold weather you should:		
a. Clean th	e air filter with alcohol.	
b. Check	and fill the alcohol level.	
c. Change	the alcohol from a new bottle.	
d. Check the	ne oil for alcohol content.	
22 During no	rmal driving, spring brakes are usually held back by:	
a. C Spring p	ressure	
b. Bolts or	clamps	
c. Centrifu	gal force	
d. C Air pre	ssure	
23 Air braking	g takes more time than hydraulic braking because air brakes:	
a. Need to	have airflow through the lines to work.	
	erent brake drums.	
c. Require	heavier return springs.	
d. All of th	e above.	
24 In air brake vehicles, the parking brakes should be used:		
a. To hold	your speed when going downhill.	
b. Whene	ver the vehicle is parked.	
c. As little	as possible.	
d. C Only du	ring pre and post trip inspections.	

25 The	brake pedal in an air brake system:
	Is to be used as a footrest during normal driving.  Controls the speed of the air compressor.
c.	Controls the air pressure applied to put on the brakes.
d. C	Is connected to slack adjusters by a series of rods and linkages.
•	our truck or bus has dual parking control valves it means that you use pressure from a separate tank to:
a. 🗖	Balance the service brake system.
b. 🗖	Release the spring brakes to move a short distance.
c.	Stay parked without using up service air pressure.
d. C	Apply more brake pressure if the main tank is getting low.
mor	craight truck or bus air brake system should not leak at a rate of e than PSI per minute with the engine off and the brakes ased.
a. C	4
b. 🗖	3
c.	2
d. C	1
28 If y	our vehicle has an alcohol evaporator, it is there to:
a. C	Reduce the risk of ice in air brake valves in cold weather.
b. 🗖	Eliminate the need for daily tank draining.
c.	Rid the wet tank of alcohol that condenses and sits at the bottom.
d. C	Boost tank pressure the same way that superchargers boost.

<ul> <li>a. Cuse the full power of the brakes and lock them.</li> <li>b. Can steer hard while braking hard.</li> <li>c. Stay in a straight line and can steer.</li> <li>d. Use the hand brake first.</li> <li>30 Your truck or bus has a dual air brake system. If a low air pressur warning comes on for only one system, what should you do?</li> <li>a. Reduce your speed and drive to the nearest garage for repairs.</li> <li>b. Continue at normal speed and find a garage before the brakes lock.</li> <li>c. Reduce your speed and test the remaining system while under way.</li> <li>d. Stop. Safely park, and continue only after the system is fixed.</li> </ul>		
c. Stay in a straight line and can steer.  d. Use the hand brake first.  30 Your truck or bus has a dual air brake system. If a low air pressur warning comes on for only one system, what should you do?  a. Reduce your speed and drive to the nearest garage for repairs.  b. Continue at normal speed and find a garage before the brakes lock.  c. Reduce your speed and test the remaining system while under way.	a. 🗖	Use the full power of the brakes and lock them.
d. Use the hand brake first.  30 Your truck or bus has a dual air brake system. If a low air pressur warning comes on for only one system, what should you do?  a. Reduce your speed and drive to the nearest garage for repairs.  b. Continue at normal speed and find a garage before the brakes lock.  c. Reduce your speed and test the remaining system while under way.	b. 🗖	Can steer hard while braking hard.
30 Your truck or bus has a dual air brake system. If a low air pressur warning comes on for only one system, what should you do?  a. Reduce your speed and drive to the nearest garage for repairs. b. Continue at normal speed and find a garage before the brakes lock. c. Reduce your speed and test the remaining system while under way.	c.	Stay in a straight line and can steer.
warning comes on for only one system, what should you do?  a. Reduce your speed and drive to the nearest garage for repairs.  b. Continue at normal speed and find a garage before the brakes lock.  c. Reduce your speed and test the remaining system while under way.	d. 🗖	Use the hand brake first.
<ul><li>b. Continue at normal speed and find a garage before the brakes lock.</li><li>c. Reduce your speed and test the remaining system while under way.</li></ul>		•
c. Reduce your speed and test the remaining system while under way.	a. 🗖	Reduce your speed and drive to the nearest garage for repairs.
	b. 🗖	Continue at normal speed and find a garage before the brakes lock.
d. Stop. Safely park, and continue only after the system is fixed.	c.	Reduce your speed and test the remaining system while under way.
	d. 🗖	Stop. Safely park, and continue only after the system is fixed.

29 If you must make an emergency stop, you should brake so that you: