

Sample Questions and Answers From *Canadian Truck and Transport Mechanic: Red Seal Exam Preparation*

The following questions and their corresponding answers show how the book tests both academic and practical knowledge of how to perform key tasks.

Chassis and Frames

- 15) What type of truck spring suspension system would be mounted above the main leaf spring assembly and only be utilized under heavy loads?
- A) An air spring suspension.
 - B) A constant spring suspension.
 - C) An auxiliary spring suspension.
 - D) A coil spring suspension.

15) **Answer C is correct.**

An auxiliary spring is mounted above a main leaf spring assembly so that when excess load is applied, the auxiliary spring can come into contact with the *stops* and provide additional load support.

Air Systems, Brakes and Steering

- 29) Which of the following conditions on an air brake system could cause a high discharge of oil from the supply reservoir drain valve?
- A) Governor setting too high.
 - B) Governor setting too low.
 - C) A restricted lubricating oil return passage in the compressor.
 - D) Compressor drive belt slipping excessively.

29) **Answer C is correct.**

Excess discharge of oil from the supply reservoir could be caused by a restricted lube oil return circuit in the compressor. This can allow oil to be pumped by the compressor into the air discharge circuit to the reservoir.

Accessories

131) Which of the following is most important when removing hydraulic cylinders from the dump section of a roll-off truck?

- A) Drain the oil from the entire hydraulic system before removing the cylinders.
- B) Disconnect the hydraulic pump from its drive.
- C) Mechanically support any structure attached to the cylinders.
- D) Adjust the system relief valve before removing the cylinders.

131) **Answer C is correct.**

Safety is always the first consideration when working on hydraulic systems so any lift devices must be mechanically supported. Never trust hydraulics while working under them.