FREE PRACTICE QUESTIONS · 310T

TEN FREE 310T TRUCK AND COACH TECHNICIAN PRACTICE QUESTIONS.

QUESTIONS	COST	LAST CHECKED
10, multiple choice, answers explained	Free. No account, no email	October 1, 2026

Ten 310T Truck and Coach Technician questions in the format of the Red Seal exam: four options, one correct answer, no trick questions. They are free to use, print and share. There is nothing to sign up for on this page.

01 How to use these

The questions come from the TicketPrep 310T bank and are spread across the exam's work activities in the order and roughly the proportion the Red Seal Program publishes for this trade: A (performs common occupational skills), B (services, diagnoses and repairs engines and supporting systems), C (services, diagnoses and repairs air systems and brake systems), D (services, diagnoses and repairs electrical and electronic systems), E (services, diagnoses and repairs drive trains), F (services, diagnoses and repairs steering, chassis/frames, suspensions, tires, wheels and hubs), H (services, diagnoses and repairs trailers), J (services, diagnoses and repairs hydraulic systems). Answer each one before opening the explanation. Every explanation covers all four options, because on the real exam the wrong options are written to be plausible, and knowing *why* they are wrong is most of the skill.

- **Pace.** The exam allows four hours for 135 questions, so about 1 min 47 s per question. Try these at that pace.
- **Print.** The printed version shows the questions and the answer key without the explanations, so it works as a handout.
- **Mark.** The pass mark is 70 percent on every Red Seal trade; seven of ten here is the same bar.

02 The questions

Q1 · CRITICAL · PERFORMS COMMON OCCUPATIONAL SKILLS

A highway tractor has been idling for 20 minutes in a closed bay with the overhead door down. A technician working nearby feels dizzy and nauseous, and a coworker across the bay has slumped against a bench. What is the most likely cause and the first action?

A. Diesel exhaust; connect the extraction hose to the stack and watch the workers.

B. Carbon monoxide from the exhaust; get everyone out and ventilate the bay.

C. Refrigerant leak from the cab air conditioner; open the cab doors.

D. Heat exhaustion from the running engine; give both workers water and rest.

Q2 · PROCEDURAL · SERVICES, DIAGNOSES AND REPAIRS ENGINES AND SUPPORTING SYSTEMS

A technician is collecting an engine oil sample from a highway tractor for laboratory analysis. When and how should the sample be drawn so the result is representative?

A. From the dipstick tube with a sampling pump, engine warm, before the oil is changed.

B. From the drain plug at the start of an oil change, after the engine has cooled overnight.

C. From the oil filter housing after the filter has been removed.

D. From the new oil container, so the lab has a clean baseline.

Q3 · CRITICAL · SERVICES, DIAGNOSES AND REPAIRS ENGINES AND SUPPORTING SYSTEMS

A coach has an active fault for SCR efficiency and the driver reports a warning about a coming derate. The technician finds heavy white crystal build-up around the DEF injector tip and in the decomposition tube. What does this indicate?

A. The DPF has failed and is sending ash downstream.

B. The DEF tank is contaminated with diesel.

C. Normal deposits that every SCR system forms.

D. Undecomposed DEF; check spray and dosing.

Q4 · PROCEDURAL · SERVICES, DIAGNOSES AND REPAIRS AIR SYSTEMS AND BRAKE SYSTEMS

During a periodic inspection the technician checks the air compressor governor on a highway tractor. According to NSC Standard 11, what are the acceptance conditions?

A. The governor is not inspected; only the compressor is.

B. Cut-in and cut-out must be exactly 40 kPa (6 psi) apart.

C. Any cut-out above 690 kPa (100 psi) is acceptable.

D. OEM values; cut-out never above 1000 kPa (145 psi).

Q5 · PROCEDURAL · SERVICES, DIAGNOSES AND REPAIRS ELECTRICAL AND ELECTRONIC SYSTEMS

A technician checks a vented lead-acid battery with a hydrometer and gets 1.265 in five cells and 1.200 in the sixth, all corrected to 27 °C (80 °F). What does this reading pattern indicate and what should be done?

A. One cell is failing; replace the battery.

B. The low cell needs electrolyte; top it up with acid.

C. The battery is fully charged; return it to service.

D. The battery needs charging; put it on the charger overnight.

Q6 · CRITICAL · SERVICES, DIAGNOSES AND REPAIRS ELECTRICAL AND ELECTRONIC SYSTEMS

A driver reports a loud grinding noise every time the engine is started, and the engine sometimes needs a second try before it cranks. What is the most likely cause?

A. Low battery voltage.

B. Worn ring gear or damaged drive pinion.

C. Air in the fuel system delaying the start.

D. A slipping alternator belt.

Q7 · CRITICAL · SERVICES, DIAGNOSES AND REPAIRS DRIVE TRAINS

A driver reports that a tractor's engine speed climbs under load on grades without a matching increase in road speed, and there is a burning smell afterward. Pedal free play has disappeared. What is the diagnosis?

A. Low transmission oil.

B. A slipping clutch.

C. A failed torque converter.

D. A worn synchronizer.

Q8 · PROCEDURAL · SERVICES, DIAGNOSES AND REPAIRS STEERING, CHASSIS/FRAMES, SUSPENSIONS, TIRES, WHEELS AND HUBS

During a periodic inspection a technician must check king-pin wear on a highway tractor's steer axle. Which method gives a measurement that can be compared to the wear limit?

A. Visual inspection for grease leakage at the pin.

B. Measure steering-wheel free play at the rim.

C. Dial indicator, axle raised, wheel rocked.

D. Rock the wheel by hand and judge the play.

Q9 · CRITICAL · SERVICES, DIAGNOSES AND REPAIRS TRAILERS

During a trailer PM the technician finds the sliding bogie's locking pins will not fully seat in the rail holes on one side, and the rail is worn and elongated at that position. What is the significance?

A. Add grease so the pins slide easier.

B. Weld the bogie in one position.

C. The bogie can shift; repair rail and pins.

D. Normal; the pins only need to be partly in.

Q10 · PROCEDURAL · SERVICES, DIAGNOSES AND REPAIRS HYDRAULIC SYSTEMS

A technician needs to work under the raised box of a dump truck to service the hoist cylinder. What must be in place first?

A. A coworker watching the lever.

B. Mechanical support of the raised box.

C. The control lever tied in the raise position.

D. The engine running so the pump holds the box.

03 Answer key

QUESTION	ANSWER	WORK ACTIVITY
Q1	B	Performs common occupational skills
Q2	A	Services, diagnoses and repairs engines and supporting systems
Q3	D	Services, diagnoses and repairs engines and supporting systems
Q4	D	Services, diagnoses and repairs air systems and brake systems

QUESTION	ANSWER	WORK ACTIVITY
Q5	A	Services, diagnoses and repairs electrical and electronic systems
Q6	B	Services, diagnoses and repairs electrical and electronic systems
Q7	B	Services, diagnoses and repairs drive trains
Q8	C	Services, diagnoses and repairs steering, chassis/frames, suspensions, tires, wheels and hubs
Q9	C	Services, diagnoses and repairs trailers
Q10	B	Services, diagnoses and repairs hydraulic systems

04 More free questions

For the 310T exam itself, the 310T exam guide covers the work activities, their weights and how the exam is scored, and the 310T Truck and Coach Technician practice exam page describes the full TicketPrep 310T question bank. The same free format is available for the other 11 trades, plus the free guides on the pass mark, question counts, exam day and how to study.

310S
Automotive Service Technician questions

309A
Electrician questions

403A
Carpenter questions

421A
Heavy Duty Equipment Technician questions

332A
Hairstylist questions

433A
Industrial Mechanic Millwright questions

313A

415A

Refrigeration & AC Systems Mechanic questions

Cook questions

307A
Steamfitter/Pipefitter questions

456A
Welder questions

306A
Plumber questions

HUB
All free practice questions

GUIDES
The Red Seal exam, explained

How these questions are written and checked: how our questions are made. Found a mistake? Tell us and we will fix it.

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05 Questions by exam block

Working on one part of the 310T exam? Each block has its own page with five more free questions, the tasks the block covers and their weights.

BLOCK A · 5.9% OF THE EXAM
Safety, Tools & Shop Skills

BLOCK B · 15.6% OF THE EXAM
Engines, Fuel & Aftertreatment

BLOCK C · 12.6% OF THE EXAM
Air Brakes & Air Systems

BLOCK D · 16.3% OF THE EXAM
Electrical & Electronics

BLOCK E · 12.6% OF THE EXAM
Drivetrain & Transmissions

BLOCK F · 13.3% OF THE EXAM
Steering, Suspension & Wheels

BLOCK G · 3.7% OF THE EXAM
Cab Interior & Exterior

BLOCK H · 5.9% OF THE EXAM
Trailers & Reefer Units

BLOCK I · 5.2% OF THE EXAM
Heating & Air Conditioning

BLOCK J · 5.9% OF THE EXAM
Hydraulic Systems

BLOCK K · 3% OF THE EXAM

Hybrid & Electric Vehicles