

RED SEAL STUDY GUIDE TRUCK TRAILER SERVICE TECHNICIAN YEAR 3

**25 EXAM PREP QUESTIONS
WITH ANSWERS**



APPRENTICES | INSTRUCTORS | INSTITUTES

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UNITY CREST SOLUTIONS INC.

INTRODUCTION

Introducing the Red Seal Study Guide – Truck & Trailer Service Technician.

Ready to dive into the world of Truck & Trailer Service Technician? Meet your ultimate companion – the Red Seal Study Guide for Truck & Trailer Service Technician. This practical booklet is your go-to practice tool to conquer your Truck & Trailer Service Technician exam.

Presented in an easy Q&A format, this guide lets you preview the kinds of questions you'll tackle on the real exam day. Consider it a sneak peek into what's coming your way!

Inside its pages, you'll find a treasure trove of Truck & Trailer Service Technician essentials. It's more than just answering questions – it's about truly grasping the basics of Truck & Trailer Service Technician in a way that sticks. Whether you're starting fresh or aiming to refine your skills, this guide has got you covered.

So, get set to challenge yourself, learn in a breeze, and build up your Truck & Trailer Service Technician expertise. With the Red Seal Study Guide, you're all set to take that significant stride toward becoming a certified Truck & Trailer Service Technician.

Ready to get started? For more information, tips, and resources,



DISCLAIMER

Study Guide Disclaimer: Important Notice

The Red Seal Study Guide – Truck & Trailer Service Technician is a reference tool meant to enhance your exam preparation. It offers insights into potential question formats. However, it's vital to know that this guide should complement, not replace, official government-issued study materials.

For comprehensive readiness, we recommend using both this guide and official resources provided by relevant authorities. Please note that this guide covers exams across Canadian provinces, but slight content variations might exist.

For your best chance at success, ensure a well-rounded preparation approach that includes official materials.

Good luck on your path to becoming a certified Truck & Trailer Service Technician!

For more information, tips, and resources,
head over to www.RedSealStudyGuide.ca
Let's craft your future together!



1. Which valve allows one-way flow?

- A: Rotating valve
- B: Sleeve valve
- C: Poppet valve
- D: Reed valve

2. Class C fires:

- A: Flammable metals
- B: Combustibles like paper or cloth
- C: Live electrical equipment
- D: Flammable liquids

3. If two 12-volt batteries are parallel, the voltage would be:

- A: $V = 18V$
- B: $V = 24V$
- C: $V = 6V$
- D: $V = 12V$

4. What is the lowest metric vernier caliper count?

- A: 0.2 mm
- B: 0.001 mm
- C: 0.02 mm
- D: 0.1 mm

5. General purpose, riveting, and gasket cutting hammer?

- A: Pein hammer
- B: Claw hammer
- C: Plastic hammer
- D: Lead hammer

See answers on the next page.



1. ☐ A ☐ B ☐ C ☒ D

Note: _____

2. ☒ A ☐ B ☐ C ☐ D

Note: _____

3. ☐ A ☐ B ☐ C ☒ D

Note: _____

4. ☐ A ☐ B ☒ C ☐ D

Note: _____

5. ☒ A ☐ B ☐ C ☐ D

Note: _____



6. Which fire extinguisher is not for electrical fires?

- A: Carbon dioxide extinguisher
- B: Foam or liquid extinguisher
- C: Dry powder extinguisher
- D: Halon fire extinguisher

7. How do most manufacturers recommend fixing a broken frame rail?

- A: Fish plating fixed
- B: Welded inverted
- C: L-section reinforcement
- D: Replacement

8. What headlight uses gas arcs to produce light?

- A: Halogen
- B: LED
- C: Glowing
- D: HID

9. Which sensor measures passenger body temperature?

- A: Smog
- B: Infrared sensor
- C: Sensor for interior temperature
- D: Sun-load sensor

10. A vehicle with six wheels, four driven, is classed as:

- A: 4 x 6
- B: 2 x 8
- C: 6 x 4
- D: 10 x 4

See answers on the next page.



6. ☐ A ☒ B ☐ C ☐ D

Note: _____

7. ☐ A ☐ B ☐ C ☒ D

Note: _____

8. ☐ A ☐ B ☐ C ☒ D

Note: _____

9. ☐ A ☒ B ☐ C ☐ D

Note: _____

10. ☒ A ☐ B ☐ C ☐ D

Note: _____



11. Class 6 truck GVW range?

- A: 16,001-19,500 pounds
- B: 33,001+ pounds
- C: 26,001-33,000 pounds
- D: 19,501-26,000 pounds

12. Which should be true while altering the drag link length before installing it?

- A: Ensure the front wheel is facing straight ahead
- B: Centre the steering gear
- C: One side of the steering wheels should have a full lock
- D: Ensure the steering gear and front wheel are centered and straight ahead

13. What mechanically prevents the engine from starting?

- A: Airless fuel system
- B: Stuck exhaust manifold
- C: Fully charged battery
- D: Proper starter motor engagement

14. Which document sets North American highway truck exterior illumination standards?

- A: RP 401
- B: FMVSS 121
- C: RP 532
- D: FMVSS 108

15. A piston of 25 square inches experiences 1,000 psi of hydraulic pressure. What is the linear force?

- A: 25 lb
- B: 25,000 lb
- C: 2,500 lb
- D: 250 lb

See answers on the next page.



11. ☐ A ☐ B ☐ C ☒ D

Note: _____

12. ☐ A ☐ B ☐ C ☒ D

Note: _____

13. ☐ A ☒ B ☐ C ☐ D

Note: _____

14. ☐ A ☐ B ☐ C ☒ D

Note: _____

15. ☐ A ☒ B ☐ C ☐ D

Note: _____



16. What does 25/0.012 cable size mean?

- A: Cable thickness
- B: Strand length
- C: Strand diameter
- D: Strand number

17. Flywheel removal begins with what?

- A: Flywheel ring removal
- B: Lock flywheel with wood
- C: Loosen bolts
- D: Lock/wire plate unlocked

18. Classes 8 trucks have what GVW range?

- A: 26,001-33,000 pounds
- B: 16,001-19,500 pounds
- C: More than 33,001 pounds
- D: 19,501-26,000 pounds

19. What does one outside micrometer thimble division equal?

- A: 0.05 mm
- B: 0.03 mm
- C: 0.01 mm
- D: 0.02 mm

20. Which action is necessary to troubleshoot the high-rate burning of truck and trailer clearance lights and headlamps?

- A: Ground circuit charging system
- B: Voltage regulator losses
- C: Battery charge battery
- D: Surface charge

See answers on the next page.



16. ☐ A ☐ B ☐ C ☒ D

Note: _____

17. ☐ A ☐ B ☐ C ☒ D

Note: _____

18. ☐ A ☐ B ☒ C ☐ D

Note: _____

19. ☐ A ☐ B ☒ C ☐ D

Note: _____

20. ☒ A ☐ B ☐ C ☐ D

Note: _____



21. Which hydraulic retarder applies a friction clutch during charging?

- A: An output retarder
- B: A torque retarder
- C: Input retarder
- D: Both input/output

22. In TMC wheel bearing adjustment, endplay must be within what range?

- A: 0.001-0.010 inch
- B: 0.005-0.010 inch
- C: 0.001-0.005 inch
- D: 0.005-0.050 inch

23. How and what should be utilized to weld a hardened truck frame rail extension?

- A: MIG using general-purpose wire
- B: TIG with high-alloy steel rod
- C: AWS E-11018 electrode
- D: AWS E-6011 electrode

24. Poisonous marking media?

- A: Prussian blue
- B: Whitewash
- C: Copper Sulfate
- D: Cellulose lacquer

25. If the engine speed exceeds 150 rpm from the engine specification, Manufacturer, which is most likely?

- A: Drive axle carrier issue
- B: Engine issue
- C: Torque converter issue
- D: Internal transmission issue



21. ☒ A ☐ B ☐ C ☐ D

Note: _____

22. ☐ A ☐ B ☒ C ☐ D

Note: _____

23. ☐ A ☐ B ☒ C ☐ D

Note: _____

24. ☐ A ☐ B ☒ C ☐ D

Note: _____

25. ☐ A ☐ B ☒ C ☐ D

Note: _____



- 1). (A) (B) (C) (D)
- 2). (A) (B) (C) (D)
- 3). (A) (B) (C) (D)
- 4). (A) (B) (C) (D)
- 5). (A) (B) (C) (D)
- 6). (A) (B) (C) (D)
- 7). (A) (B) (C) (D)
- 8). (A) (B) (C) (D)
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- 12). (A) (B) (C) (D)
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- 18). (A) (B) (C) (D)
- 19). (A) (B) (C) (D)
- 20). (A) (B) (C) (D)
- 21). (A) (B) (C) (D)
- 22). (A) (B) (C) (D)
- 23). (A) (B) (C) (D)
- 24). (A) (B) (C) (D)
- 25). (A) (B) (C) (D)





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