

RED SEAL STUDY GUIDE TRUCK & TRANSPORT YEAR 1

**25 EXAM PREP QUESTIONS
WITH ANSWERS**



APPRENTICES | INSTRUCTORS | INSTITUTES

RedSealStudyGuide.ca

UNITY CREST SOLUTIONS INC.

INTRODUCTION

Introducing the Red Seal Study Guide – Truck & Transport.

Ready to dive into the world of Truck & Transport? Meet your ultimate companion – the Red Seal Study Guide for Truck & Transport. This practical booklet is your go-to practice tool to conquer your Truck & Transport 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 & Transport essentials. It's more than just answering questions – it's about truly grasping the basics of Truck & Transport 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 & Transport expertise. With the Red Seal Study Guide, you're all set to take that significant stride toward becoming a certified Truck & Transport.

Ready to get started? For more information, tips, and resources, head over to www.RedSealStudyGuide.ca
Truck & Transport success starts here – dive in!



DISCLAIMER

Study Guide Disclaimer: Important Notice

The Red Seal Study Guide – Truck & Transport 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 & Transport!

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Let's craft your future together!



1. What clutch system does the slave cylinder use?

- A: A magneto clutch
- B: Overrunning clutch
- C: Hydraulic clutch
- D: Vacuum clutch

2. Why are catalytic converters used?

- A: Noise control
- B: Temperature control
- C: Control the fuel usage
- D: Control emissions

3. Which alternator component converts AC to DC?

- A: Voltage regulator
- B: Field coil
- C: Rectifier
- D: Pole parts

4. Which portion increases fuel injector pressure?

- A: Common rail
- B: Fuel pump
- C: Regulator
- D: Solenoid

5. Which hydraulic pump has typically higher operational efficiency?

- A: Imbalanced vane
- B: Radial piston
- C: Outside gear
- D: Balanced vane

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 coil spring portion reduces linkage angular movement?

- A: Lower control arm
- B: Torsion bar
- C: Stabilizer bar
- D: BA joint

7. Which gear transmits torque without axial thrust?

- A: Helical gears
- B: Spur gear
- C: Worm gears
- D: A spiral bevel gear

8. Where is the thermostat valve fitted in pressurized cooling system?

- A: Water outlet of water pump
- B: Water outlet of water jacket
- C: Water outlet of the radiator
- D: Water outlet of the cylinder head

9. The fixed bracket spring pin and shackle pin will not accept grease when lubing a spring pack assembly. How should you start?

- A: Change zerk fitting
- B: Spring pack replacement
- C: Change spring pins
- D: De-weight the spring

10. How does weak suspension affect?

- A: Too much vehicle payload
- B: More effective vibration damping
- C: Vehicle direction instability
- D: Unequal weight distribution

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. What is the net resistance 'R' is 'R1' and 'R2' connected in series?

- A: $AR = R1 + R2$
- B: $R = R1/R2$
- C: $R = R1 \times R2$
- D: $R = R1 \times R2$

12. This type of wheel consists of two separate discs clamped together

- A: Heavy Vehicle
- B: Split Wheel
- C: Wire Wheel
- D: Disc Wheel

13. Which part forces water circulation in forced feed engine cooling?

- A: Water density
- B: Jacket with water
- C: Pump
- D: Thermostat

14. Which road handling effect is most likely when a front suspension spring pack center bolt breaks?

- A: Rebounding front
- B: Hard steering
- C: U-bolt failure
- D: Leaf breakage

15. A fully charged battery's negative plate is which of the following?

- A: Pb
- B: H_2SO_4
- C: $PbSO_4$
- D: PbO_2

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. The lowest vernier caliper count in metric is

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

17. What suspension spring cannot transfer wheel guidance forces?

- A: Leaf springs
- B: Coil springs
- C: Compression springs
- D: Helical springs

18. Where is the commutator used?

- A: Dynamo
- B: Alternator
- C: Transformer
- D: Coil ignition

19. What are the benefits of nitrogen in tires?

- A: Vehicle cushioning effect
- B: Extension of tire life
- C: Observe shocks, vibration
- D: Give good road grip

20. In which logic gate are switches connected in series?

- A: AND gate
- B: OR gate
- C: NOR gate
- D: NAND gate

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. A 25-square-inch piston under 1,000 psi produces what linear force?

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

22. How high should air flow be while assessing car AC performance?

- A: 4 kg/min
- B: 10 kg/min
- C: 8 kg/min
- D: 6 kg/min

23. The specific gravity of a fully charged battery is

- A: 1.240 – 1.250
- B: 1.210 – 1.230
- C: 1.260 – 1.280

24. When not locked up, a torque converter transfers energy through what medium?

- A: Brake fluid
- B: Engine oil
- C: Transmission fluid
- D: Friction discs

25. In range shift air control, which component transfers inlet air pressure to the low and high-range air hoses to the range cylinder?

- A: An air regulator
- B: Slave valve
- C: Splitter valve
- D: Air compressor



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)
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- 16). (A) (B) (C) (D)
- 17). (A) (B) (C) (D)
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- 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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