

Truck and Coach Technician 310T

Goodluck!

1. Which type of clutch system used in the slave cylinder?
 (A) Electro magnetic clutch (B) Hydraulic clutch
 (C) Over running clutch (D) Vacuum clutch
2. When an alternator is full-fielded, which of the following components is bypassed?
 (A) the voltage regulator (B) the slip rings
 (C) the rotor (D) the stator
3. What is the use of catalytic converters?
 (A) Control the noise (B) Control the fuel consumption
 (C) Control the temperature (D) Control the emission
4. Which one of the component used to convert AC to DC in an alternator?
 (A) Voltage regulator (B) Pole pieces
 (C) Field coil (D) Rectifier
5. Which of the following is true of a twin-countershaft standard transmission?
 (A) It allows the face width of each gear to be reduced. (B) all
 (C) It allows the main shaft to float between the countershafts. (D) It divides input torque between two separate shafts.
6. What is the use of outside calliper?
 (A) Check the flatness (B) Check the eXternal dia of the job
 (C) Check the angle (D) Check the internal dia of the job

7. Technician A says that crown gear backlash is correctly adjusted by alternately loosening and tightening the bearing adjusting rings. Technician B says that the tooth contact pattern can be moved closer to the root by increasing the crown gear backlash. Who is correct?
- (A) both (B) Technician B only
 (C) neither (D) Technician A only
8. Which part build up fuel injection pressure in fuel injector?
- (A) Common rail (B) Fuel pump
 (C) Regulator (D) Solenoid
9. Which type of hydraulic pump would usually have higher operating efficiencies?
- (A) unbalanced vane (B) external gear
 (C) radial piston (D) balanced vane
10. Which type of spring will have good load carrying capacity and do not have noise in the suspension system?
- (A) Fibre composite springs (B) Multiple - leaf spring
 (C) Monoleaf springs (D) Coil spring
11. Which type of spring suspension responds quickly to road shocks?
- (A) Coil spring (B) Transverse spring
 (C) Compression spring (D) Helical spring
12. Which is the source of pollutant gases with hydro carbon?
- (A) From crank case blow by (B) From carburettor evaporation
 (C) From exhaust system (D) From fuel tank evaporation
13. What is the speed ratio cam shaft to crank shaft?
- (A) Triple (B) Double
 (C) Equal (D) Half

1009. What type of resistor is used in the vehicle flasher unit?
- (A) Film resistor (B) Printed resistor
 (C) Ballast resistor (D) Integrated resistor
1010. What is the possible cause of engine over heating?
- (A) Radiator core blocked (B) High circulation of water
 (C) High water level in radiator (D) High air draft
1011. How to rectify the hard gear shifting?
- (A) Re - install springs correctly (B) Lubricate the unit
 (C) Adjust clutch pedal free play (D) Check and realign
1012. What procedure should be used to identify whether the engine or transmission is at fault after a drivetrain complaint in a chassis equipped with an automatic transmission?
- (A) an oil analysis (B) shift point adjustment
 (C) all (D) a stall test
1013. What is the purpose of selective catalytic reduction (SCR)?
- (A) Reduce HC (B) Reduce PM
 (C) Reduce Nox (D) Reduce CO₂
1014. What is the purpose of EGR (Exhaust gas recirculation) valve?
- (A) Reduce SO₂ (B) Reduce CO₂
 (C) Reduce Nox (D) Reduce CO
1015. Which of the hydro carbon emission released after the combustion of the engine?
- (A) From crank case blow by (B) From exhaust system
 (C) From carburettor (D) From fuel tank

1016. When is rotary fluid flow at a maximum during torque converter operation?

(A) at initial pickup

(B) at full stall

(C) at coupling phase

(D) at torque multiplication phase

1017. Which of following units of measurement expresses electron flow in a circuit?

(A) volts

(B) amps

(C) farads

(D) watts

1018. Which of the following foundation brake components are lubricated with chassis grease, either for component life or as part of a lube job?

(A) S-cam bushings

(B) S-cam profile

(C) brake shoe friction face

(D) S-cam roller face