

ITI Quiz - 03-Oct-2026

11:50 AM

Q. ID: ITISKILL49695Y

October 2026

Answer Key

Duration: 30 Mins

Total Marks: 38

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1. What is the advantage of mechanical actuated type clutches?

- A) Easy to operate
- B) Less pedal effort
- C) Less maintenance and repair
- D) Smooth functioning

Answer: C) Less maintenance and repair

2. What is the main feature of hydraulic actuated clutches?

- A) Pedal effort transmitted through linkage
- B) Pedal effort transmitted through coupling
- C) Pedal effort transmitted through fluid
- D) Pedal effort transmitted through spring

Answer: D) Pedal effort transmitted through spring

3. Which system not connected with electrical system?

- A) Transmission system
- B) Suspension system
- C) Charging system
- D) Steering system

Answer: A) Transmission system

4. Which type of system is to isolate the vehicle body from road shock and vibration?

- A) Steering system
- B) Control system
- C) Hydraulic system
- D) Suspension system

Answer: D) Suspension system

5. Which is noise free clutch?

- A) Dog clutch
- B) Diaphragm spring type clutch
- C) Multi plate clutch
- D) Single plate clutch

Answer: B) Diaphragm spring type clutch

6. Which type of synchromesh gear box will produce torque more than three times of other types?

- A) Baulk ring type
- B) Porche type
- C) Multi and Double cone
- D) Baulk type

Answer: C) Multi and Double cone

7. What is the advantage of dog clutch?

- A) More frictional area
- B) No possibility of slip
- C) Less pedal force to operate
- D) Easy maintenance and repair

Answer: B) No possibility of slip

8. Which system provides DC power source for the various units of the vehicles?

- A) Steering system
- B) Storage system
- C) Charging system
- D) Lighting system

Answer: B) Storage system

9. Which type of joint permit small diffraction angle and linear variations?

- A) Pot joint
- B) Tripod joint
- C) Flexible discs
- D) Double joint

Answer: C) Flexible discs

10. Which type of clutch provides more frictional area and simple in construction?

- A) Cone clutch
- B) Dog clutch
- C) Diaphragm spring clutch
- D) Multi plate clutch

Answer: A) Cone clutch

11. What is the advantage of using constant mesh gear box?

- A) Smooth power transmission
- B) Efficient lubrication possible
- C) Wrong adjustment of gear will not affect the function
- D) Quick change of gear obtained

Answer: A) Smooth power transmission

12. Which type of gear box provided with helical gears?

- A) Constant mesh gear box
- B) Sliding mesh gear box
- C) Synchromesh gear box
- D) Auto synchromesh gear box

Answer: A) Constant mesh gear box

13. What is the permitted diffraction angle of tripod joint?

- A) 26 Degree
- B) 18 Degree
- C) 13 Degree
- D) 32 Degree

Answer: A) 26 Degree

14. What is the name of seal used between two parts that do not move in relation to each other?

- A) Static seal
- B) Dynamic seal
- C) Teflow seal
- D) Square cut seal

Answer: A) Static seal

15. Which way the steering system increase the tire life?

- A) Providing adequate lubrication
- B) By maintaining proper angle between tyres

- C) By applying grease on the steering controls
D) Providing proper brake adjustment

Answer: B) By maintaining proper angle between tyres

16. Which instrument is used to check the face out of the fly wheel?

- A) Inside micrometer
B) Dial indicator
C) Bore dial gauge
D) Outside micrometer

Answer: B) Dial indicator

17. Which type of seal allows a controlled amount of fluid leakage to lubricant moving parts?

- A) Positive seal
B) Static seal
C) Non - positive seal
D) Dynamic seal

Answer: C) Non - positive seal

18. Which type of gear will not produce axial thrust while transmitting torque

- A) Worm gears
B) Helical gears
C) Spiral bevel gear
D) Spur gear

Answer: D) Spur gear

19. What is the permitted diffraction angle of double joint?

- A) 62 Degree
B) 50 Degree
C) 72 Degree
D) 58 Degree

Answer: B) 50 Degree

20. Which type of synchromesh gear box used for heavy commercial vehicles?

- A) Porche type
B) Baulk ring type
C) Multi and double cone type
D) Baulk type

Answer: C) Multi and double cone type

21. What is the role of ABS brakes?

- A) Reduce the brake failures
B) Provide positive braking
C) Prevents skidding of vehicles
D) Increase frictional power

Answer: C) Prevents skidding of vehicles

22. Which system making the drive cabin comfortable for driving?

- A) HVAC system
B) Starting system
C) Charging system
D) Steering system

Answer: A) HVAC system

23. Which type of gear teeth are straight and parallel to the gear axis

- A) Bevel gear
B) Helical gear
C) Spur gear
D) Worm gear

Answer: C) Spur gear

24. Which part of heavy vehicle deals with static and dynamic loads without deflection or distortion?

- A) Engine
B) Chassis and frames
C) Power trains
D) Control system

Answer: B) Chassis and frames

25. Which type of drive line used in high gears and high speed applications?

- A) Center wheel drive line
B) Rear wheel drive line
C) Front wheel drive line
D) All wheel drive line

Answer: D) All wheel drive line

26. Which factor does not affect the torque transmission by clutch?

- A) Co-efficient of friction
B) Number of clutch plates used
C) Axial load on the clutch
D) Size of clutch plat

Answer: C) Axial load on the clutch

27. What is the advantage of using single plate hydraulic clutch?

- A) Effective frictional force obtained
B) Minimize the force to operate the clutch
C) Easy repair and maintance
D) Reduce the wear on the clutch plate

Answer: B) Minimize the force to operate the clutch

28. What is the function of steering system?

- A) To control the braking system
B) To guide the vehicle
C) To control the fuel system
D) To increase the engine RPM

Answer: B) To guide the vehicle

29. What is the advantage of using power steering system?

- A) To reduce the fuel consumption
B) To turn and control vehicle with less effort
C) To enhance the fuel efficiency
D) To increase the engine power

Answer: B) To turn and control vehicle with less effort

30. Which type of gear converts rotary motion in to linear motion and vice versa?

- A) Spur gear
B) Rack and Pinion
C) Bevel gear
D) Helical gears

Answer: B) Rack and Pinion

31. What is the working principle of clutch?

- A) Centripetal
B) Friction
C) Sliding
D) Screw and Nut

Answer: B) Friction

32. What is the function of clutch?

- A) Prevent malfunctioning of fly wheel
- B) Connect and disconnect power flow engine to gear box
- C) Reduce the noise during engine running
- D) Increase and decrease the RPM of engine

Answer: B) Connect and disconnect power flow engine to gear box

33. Which type of gear box can be operated even by unskilled driver?

- A) Compound wheel mesh gear box
- B) Synchromesh gear box
- C) Sliding mesh gear box
- D) Constant mesh gear box

Answer: B) Synchromesh gear box

34. Which type of gear will have more than one tooth in contact at the same time

- A) Helical gear
- B) Spur bevel gear
- C) Rack and Pinion
- D) Spur gear

Answer: A) Helical gear

35. What is the battery system used for heavy vehicles?

- A) Provide caution to the driver
- B) 12 volts
- C) 6 volts
- D) 24 volts

Answer: D) 24 volts

36. What is the permitted range of pedal play observed in the heavy vehicle?

- A) 16 -20 mm
- B) 2 -4 mm
- C) 6 -10 mm
- D) 15 -18 mm

Answer: C) 6 -10 mm

37. What is the permitted diffraction angle of pot joint?

- A) 20 Degree
- B) 22 Degree
- C) 26 Degree
- D) 18 Degree

Answer: B) 22 Degree

38. Which system deals with alternator?

- A) Starting system
- B) Steering system
- C) HVAC system
- D) Charging system

Answer: D) Charging system