

ITI Quiz - 06-Oct-2026

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Q. ID: ITISKILL6310VT

October 2026

Answer Key

Duration: 15 Mins

Total Marks: 38

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

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

Answer: D) HVAC system

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

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

Answer: D) Smooth power transmission

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

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

Answer: B) Dial indicator

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

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

Answer: B) 24 volts

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

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

Answer: A) Synchromesh gear box

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

- A) By maintaining proper angle between tyres
- B) Providing adequate lubrication
- C) Providing proper brake adjustment
- D) By applying grease on the steering controls

Answer: A) By maintaining proper angle between tyres

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

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

Answer: C) 50 Degree

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

gear axis

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

Answer: C) Spur gear

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

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

Answer: A) Pedal effort transmitted through spring

10. What is the role of ABS brakes?

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

Answer: C) Prevents skidding of vehicles

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

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

Answer: B) Static seal

12. What is the working principle of clutch?

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

Answer: D) Friction

13. Which part of dual mass fly wheel isolate the fly wheel mass system of the engine?

- A) Cam shaft
- B) Crank shaft
- C) Gear box
- D) Vibration damper

Answer: D) Vibration damper

14. Which system deals with alternator?

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

Answer: C) Charging system

15. What is the advantage of dual mass fly wheel?

- A) Reduction of gear box and body noises
- B) Reduce the possibility of clutch slip

- C) Prevent wrong clutch engagements D) Transmit the torque with less effort

Answer: A) Reduction of gear box and body noises

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

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

Answer: B) Flexible discs

17. What is the function of clutch?

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

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

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

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

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

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

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

Answer: D) Non - positive seal

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

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

Answer: B) Suspension system

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

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

Answer: A) 6 -10 mm

22. Which system not connected with electrical system?

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

Answer: A) Transmission system

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

- A) Spur bevel gear B) Spur gear

- C) Helical gear D) Rack and Pinion

Answer: C) Helical gear

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

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

Answer: A) Spur gear

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

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

Answer: B) Axial load on the clutch

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

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

Answer: D) 22 Degree

27. What is the function of steering system?

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

Answer: C) To guide the vehicle

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

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

Answer: A) Chassis and frames

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

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

Answer: C) Less maintenance and repair

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

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

Answer: B) Constant mesh gear box

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

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

Answer: B) Rack and Pinion

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

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

Answer: C) All wheel drive line

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

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

Answer: D) Storage system

34. What is the advantage of dog clutch?

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

Answer: A) No possibility of slip

35. Which is noise free clutch?

- A) Diaphragm spring type clutch B) Multi plate clutch

C) Dog clutch

D) Single plate clutch

Answer: A) Diaphragm spring type clutch

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

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

Answer: A) 26 Degree

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

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

Answer: B) Cone clutch

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

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

Answer: A) Minimize the force to operate the clutch