

# ITI Quiz - 06-Oct-2026

## 02:55 PM

Q. ID: ITISKILL6310VT

October 2026

Question Paper

Duration: 15 Mins

Total Marks: 38

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Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

6. What is the function of clutch?

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

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

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

8. Which system deals with alternator?

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

9. 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) Square cut seal
- D) Teflow seal

10. What is the function of steering system?

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

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

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

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

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

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

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

14. 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

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

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

16. What is the advantage of dog clutch?

- A) Less pedal force to operate
- B) More frictional area

- C) Easy maintenance and repair      D) No possibility of slip

**17.** What is the battery system used for heavy vehicles?

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

**18.** Which system making the drive cabin comfortable for driving?

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

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

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

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

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

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

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

**22.** What is the advantage of dual mass fly wheel?

- A) Transmit the torque with less effort      B) Reduce the possibility of clutch slip  
C) Reduction of gear box and body noises      D) Prevent wrong clutch engagements

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

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

**24.** What is the role of ABS brakes?

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

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

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

**26.** Which is noise free clutch?

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

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

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

**28.** What is the advantage of mechanical actuated type clutches?

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

**29.** Which system not connected with electrical system?

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

**30.** Which way the steering system increase the tire life?

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

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

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

**32.** 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 spring      D) Pedal effort transmitted through fluid

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

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

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

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

**35.** What is the working principle of clutch?

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

**36.** Which type of joint permit small diffraction angle and

linear variations?

A) Flexible discs

C) Tripod joint

B) Pot joint

D) Double joint

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

A) 20 Degree

B) 18 Degree

C) 26 Degree

D) 22 Degree

**38.** Which type of gear box provided with helical gears?

A) Synchromesh gear box

C) Sliding mesh gear box

B) Constant mesh gear box

D) Auto synchromesh gear box