

ITI Quiz - 25-Sep-2026 09:37 AM

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46.15% 24 / 52

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Attempt No.	#1	Completion Time	09:48 AM
Rank	#1	Total Questions	52

24 SCORE

52 MAX MARKS

24 CORRECT

28 INCORRECT

Answer Review

Q1 **CORRECT** What is the battery system used for heavy vehicles?

A. 6 volts

B. 12 volts

C. 24 volts ☒

D. Provide caution to the driver

Q2 **INCORRECT** What is the working principle of clutch?

A. Sliding

B. Centripetal

C. Friction ☒

D. Screw and Nut ☐

Q3 **CORRECT** What is the permitted diffraction angle of tripod joint?

A. 13 Degree

B. 18 Degree

C. 26 Degree ☒

D. 32 Degree

Q4 **INCORRECT** Which type of joint permit small diffraction angle and linear variations?

A. Flexible discs ☐

B. Double joint

C. Pot joint

D. Tripod joint ☐

Q5 **CORRECT** What is the permitted diffraction angle of double joint?

A. 50 Degree ☐

B. 62 Degree

C. 58 Degree

D. 72 Degree

Q6 **CORRECT** What is the permitted diffraction angle of pot joint?

A. 18 Degree

B. 20 Degree

C. 22 Degree ☐

D. 26 Degree

Q7 **INCORRECT** Which type of gear converts rotary motion in to linear motion and vice versa?

A. Helical gears ☐

B. Rack and Pinion ☐

C. Spur gear

D. Bevel gear

Q8 **INCORRECT** Which type of gear will not produce axial thrust while transmitting torque

A. Helical gears ☐

B. Worm gears

C. Spiral bevel gear

D. Spur gear ☒

Q9 **CORRECT** Which type of gear will have more than one tooth in contact at the same time

A. Spur gear

B. Rack and Pinion

C. Helical gear ☒

D. Spur bevel gear

Q10 **INCORRECT** Which type of gear teeth are straight and parallel to the gear axis

A. Spur gear ☒

B. Helical gear ☐

C. Worm gear

D. Bevel gear

Q11 **CORRECT** Which type of seal allows a controlled amount of fluid leakage to lubricant moving parts?

A. Static seal

B. Positive seal

C. Non - positive seal ☒

D. Dynamic seal

Q12 **INCORRECT** What is the name of seal used between two parts that do not move in relation to each other?

A. Dynamic seal

B. Static seal ☐

C. Square cut seal

D. Teflow seal ☐

Q13 **INCORRECT** What is the advantage of using constant mesh gear box?

A. Quick change of gear obtained

B. Wrong adjustment of gear will not affect the function ☐

C. Smooth power transmission ☐

D. Efficient lubrication possible

Q14 **INCORRECT** Which type of gear box provided with helical gears?

A. Auto synchromesh gear box

B. Constant mesh gear box ☐

C. Sliding mesh gear box

D. Synchromesh gear box ☐

Q15 **INCORRECT** What is the advantage of dual mass fly wheel?

A. Prevent wrong clutch engagements ☐

B. Reduction of gear box and body noises ☐

C. Transmit the torque with less effort

D. Reduce the possibility of clutch slip

Q16 **INCORRECT** Which part of dual mass fly wheel isolate the fly wheel mass system of the engine?

A. Gear box

B. Vibration damper ☐

C. Crank shaft

D. Cam shaft ☐

Q17 **CORRECT** Which is noise free clutch?

A. Single plate clutch

B. Diaphragm spring type clutch ☐

C. Multi plate clutch

D. Dog clutch

Q18 **INCORRECT** What is the advantage of dog clutch?

A. No possibility of slip ☐

B. More frictional area

C. Less pedal force to operate

D. Easy maintenance and repair ☐

Q19 **INCORRECT** Which type of clutch provides more frictional area and simple in construction?

A. Diaphragm spring clutch ☐

B. Cone clutch ☐

C. Dog clutch

D. Multi plate clutch

Q20 **INCORRECT** What is the advantage of using single plate hydraulic clutch?

A. Minimize the force to operate the clutch ☐

B. Effective frictional force obtained

C. Reduce the wear on the clutch plate ☐

D. Easy repair and maintenance

Q21 **INCORRECT** What is the main feature of hydraulic actuated clutches?

A. Pedal effort transmitted through linkage ☐

B. Pedal effort transmitted through spring ☐

C. Pedal effort transmitted through fluid

D. Pedal effort transmitted through coupling

Q22 **CORRECT** What is the advantage of mechanical actuated type clutches?

A. Less maintenance and repair ☐

B. Less pedal effort

C. Smooth functioning

D. Easy to operate

Q23 **INCORRECT** Which factor does not affect the torque transmission by clutch?

A. Size of clutch plate

B. Co-efficient of friction

C. Number of clutch plates used ☐

D. Axial load on the clutch ☐

Q24 **CORRECT** What is the function of clutch?

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

Q25 **CORRECT** Which system making the drive cabin comfortable for driving?

- A. HVAC system ☒
- B. Starting system
- C. Steering system
- D. Charging system

Q26 **INCORRECT** Which system deals with alternator?

- A. Steering system
- B. Starting system
- C. Charging system ☒
- D. HVAC system ☐

Q27 **CORRECT** 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

Q28 **INCORRECT** Which system not connected with electrical system?

A. Steering system

B. Charging system

C. Transmission system ☐

D. Suspension system ☐

Q29 **INCORRECT** Which type of system is to isolate the vehicle body from road shock and vibration?

A. Control system

B. Suspension system ☐

C. Hydraulic system ☐

D. Steering system

Q30 **INCORRECT** Which part of heavy vehicle deals with static and dynamic loads without deflection or distortion?

A. Engine

B. Power trains

C. Control system ☐

D. Chassis and frames ☐

Q31 **INCORRECT** Which way the steering system increase the tire life?

A. By maintaining proper angle between tyres ☐

B. Providing adequate lubrication

C. By applying grease on the steering controls ☐

D. Providing proper brake adjustment

Q32 **CORRECT** 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 ☒

Q33 **INCORRECT** What is the function of steering system?

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

Q34 **INCORRECT** What is the role of ABS brakes?

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

Q35 **INCORRECT** 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 ☐

Q36 **CORRECT** Which type of drive line used in high gears and high speed applications?

A. Front wheel drive line

B. Rear wheel drive line

C. All wheel drive line ☒

D. Center wheel drive line

Q37 **CORRECT** Which type of gear box can be operated even by unskilled driver?

A. Synchromesh gear box ☒

B. Sliding mesh gear box

C. Constant mesh gear box

D. Compound wheel mesh gear box

Q38 **CORRECT** Which type of synchromesh gear box will produce torque more than three times of other types?

A. Baulk type

B. Baulk ring type

C. Multi and Double cone ☒

D. Porche type

Q39 **CORRECT** Which type of synchromesh gear box used for heavy commercial vehicles?

A. Baulk type

B. Multi and double cone type ☒

C. Baulk ring type

D. Porche type

Q40 **CORRECT** Which type of gear will not produce axial thrust but it neutralizes the axial thrust?

A. Bevel gear

B. Herring bone gears ☒

C. Spur gear

D. Worm gear

Q41 **CORRECT** Which gear will produce clicking noise during teeth contact?

A. Spur gear ☒

B. Bevel gear

C. Helical gear

D. Worm gear

Q42 **CORRECT** Which part connects propeller shaft?

A. Clutch shaft and fly wheel

B. Gear box and final drive ☒

C. Cam shaft and clutch shaft

D. Crankshaft and final drive

Q43 **INCORRECT** Which part provides flexible connection and permits smooth transfer of torque from gear box to the rear axle?

A. Universal joint ☒

B. Fly wheel ☐

C. Half shaft

D. Clutch shaft

Q44 **INCORRECT** What is the necessity of square cut seals?

A. Prevent fluid leakage

B. Prevent the seal rolling in groove ☒

C. Provide cushioning effect

D. Withstand radial movement ☐

Q45 **CORRECT** What is the possible reason for gear slip?

A. Wrong selection gear shift lever

B. Excessive end float of gear ☒

C. Wrong clutch engagement

D. Wornout clutch plate

Q46 **CORRECT** What is the reason of gear locked in one gear position?

A. Synchronizer wornout

B. Gear teeth wornout

C. Synchronizing unit stuck ☒

D. In adequate lubrication

Q47 **CORRECT** How to rectify the hard gear shifting?

A. Lubricate the unit

B. Check and realign

C. Adjust clutch pedal free play ☒

D. Re - install springs correctly

Q48 **CORRECT** What causes noisy gear box in neutral position?

A. Synchronizing unit stuck

B. Bearing worn out or dry ☒

C. Synchronizer defective

D. Synchronizer worn-out

Q49 **CORRECT** What will be the result of defective clutch?

A. Noise in gear shifting ☒

B. Gear slip

C. Gear locked in one gear

D. Gear clash during shifting

Q50 **INCORRECT** What is the cause of hard gear shifting?

A. Bearing worn out

B. Synchronizing unit damaged ☒

C. Synchronizing unit stuck

D. Fly wheel ring wornout ☐

Q51 **INCORRECT** Which type of gear box eliminates the defect of gear wheels move on the shaft to mesh with each other?

A. Sliding mesh gear box

B. Synchromesh gear box ☒

C. Constant mesh gear box

D. Compound wheel mesh gear box ☐

Q52 **INCORRECT** Why synchromesh action is needed in a gear box?

A. Provide noise in gear shifting

B. Prevent cushioning effect during gear shifting ☐

C. Easy gear shifting when vehicle in motion ☒

D. Damage the gear teeth during gear change