

ITI Quiz - 24-Sep-2026 11:53 AM

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35.85% 19 / 53

Student Name	Jaivardhan gunnapur	Access Code	0609
Attempt No.	#1	Completion Time	12:05 PM
Rank	#1	Total Questions	53

19 SCORE

53 MAX MARKS

19 CORRECT

34 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 **CORRECT** What is the working principle of clutch?

A. Sliding

B. Centripetal

C. Friction ☒

D. Screw and Nut

Q3 **CORRECT** Which instrument is used to check the face out of the fly wheel?

A. Dial indicator ☒

B. Bore dial gauge

C. Outside micrometer

D. Inside micrometer

Q4 **CORRECT** What is the permitted diffraction angle of tripod joint?

A. 13 Degree

B. 18 Degree

C. 26 Degree ☒

D. 32 Degree

Q5 **INCORRECT** Which type of joint permit small diffraction angle and linear variations?

A. Flexible discs ☐

B. Double joint ☐

C. Pot joint

D. Tripod joint

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

A. 50 Degree ☒

B. 62 Degree

C. 58 Degree

D. 72 Degree

Q7 **CORRECT** What is the permitted diffraction angle of pot joint?

A. 18 Degree

B. 20 Degree

C. 22 Degree ☒

D. 26 Degree

Q8 **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

Q9 **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 ☒

Q10 **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

Q11 **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

Q12 **INCORRECT** 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 ☐

Q13 **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 ☐

Q14 **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

Q15 **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

Q16 **CORRECT** 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

Q17 **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

Q18 **INCORRECT** Which is noise free clutch?

A. Single plate clutch

B. Diaphragm spring type clutch ☒

C. Multi plate clutch

D. Dog clutch ☐

Q19 **CORRECT** 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

Q20 **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

Q21 **CORRECT** 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

Q22 **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

Q23 **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

Q24 **CORRECT** Which factor does not affect the torque transmission by clutch?

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

Q25 **INCORRECT** 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

Q26 **CORRECT** Which system making the drive cabin comfortable for driving?

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

Q27 **INCORRECT** Which system deals with alternator?

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

Q28 **INCORRECT** 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 ☐

Q29 **INCORRECT** Which system not connected with electrical system?

A. Steering system ☐

B. Charging system ☐

C. Transmission system ☐

D. Suspension system ☐

Q30 **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 ☐

Q31 **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 ☐

Q32 **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 ☐

Q33 **INCORRECT** 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 ☐

Q34 **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

Q35 **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

Q36 **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

Q37 **INCORRECT** 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

Q38 **INCORRECT** 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

Q39 **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

Q40 **INCORRECT** 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

Q41 **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

Q42 **INCORRECT** Which gear will produce clicking noise during teeth contact?

A. Spur gear ☒

B. Bevel gear

C. Helical gear ☐

D. Worm gear

Q43 **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

Q44 **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

Q45 **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 ☐

Q46 **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

Q47 **INCORRECT** 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

Q48 **INCORRECT** 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

Q49 **INCORRECT** 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

Q50 **INCORRECT** 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

Q51 **CORRECT** 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

Q52 **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 ☐

Q53 **CORRECT** 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 ☐