

ITI Quiz - 15-Oct-2026 09:20 AM

Q. ID: ITISKILL4907EX | October 2026

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Student Name	ravi donur	Access Code	9488
Attempt No.	#1	Completion Time	09:25 AM
Rank	#1	Total Questions	53

22 SCORE

53 MAX MARKS

22 CORRECT

31 INCORRECT

Answer Review

Q1 **INCORRECT** 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 **INCORRECT** 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 **CORRECT** Which type of joint permit small diffraction angle and linear variations?

A. Flexible discs ☒

B. Double joint

C. Pot joint

D. Tripod joint

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

A. 50 Degree ☒

B. 62 Degree

C. 58 Degree ☐

D. 72 Degree

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

A. 18 Degree

B. 20 Degree ☐

C. 22 Degree ☒

D. 26 Degree

Q8 **CORRECT** 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 **INCORRECT** 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 **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 ☐

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 **CORRECT** Which is noise free clutch?

A. Single plate clutch ☐

B. Diaphragm spring type clutch ☒

C. Multi plate clutch ☐

D. Dog clutch ☐

Q19 **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 ☐

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 **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

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 **INCORRECT** 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 **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

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 **CORRECT** 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 **CORRECT** 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 **CORRECT** 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 **CORRECT** 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 **CORRECT** 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 **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

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 **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

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 **CORRECT** 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 **INCORRECT** 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 **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

Q48 **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

Q49 **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

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 **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