

loyola

ITI Quiz - 05-Oct-2026 03:30 PM

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68.42% 26 / 38

Student Name	Jayatrda	Access Code	2695
Attempt No.	#1	Completion Time	03:37 PM
Rank	#1	Total Questions	38

26 SCORE

38 MAX MARKS

26 CORRECT

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

A. Auto synchronesh 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 **CORRECT** 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 **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 **CORRECT** 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 **CORRECT** 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 **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 **CORRECT** Which system deals with alternator?

A. Steering system

B. Starting system

C. Charging system ☒

D. HVAC system

Q28 **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

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

A. Steering system

B. Charging system

C. Transmission system ☒

D. Suspension system ☐

Q30 **CORRECT** 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 **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 ☒

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 ☐