## Mentor **Progress**

1 point

## Unit 7 - Week 6

How does an NPTEL online

Automotive Clutch - Part 01

Automotive Clutch - Part 02

O Powertrain Analysis - Part 01

O Powertrain Analysis - Part 02

Transmission - Part 01

Transmission - Part 02

O Quiz : Assignment 6

Solution - Assignment 6

Week 6 Feedback

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

Lecture Material

**Download Videos** 

Course outline

course work?

Week 1

Week 2

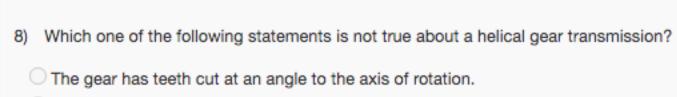
Week 3

Week 4

Week 5

Week 6

As per our records you have not submitted this assignment.	Due on 2020-03-11, 23:59 IST.
Which one of the following is not true about a clutch?	1 pc
It provides a link between engine and transmission.	
It allows for smooth take up of drive when the vehicle moves from rest.	
It magnifies the engine torque.	
It disengages the transmission from the engine when a gear change is made.	
No, the answer is incorrect.	
Score: 0	
Accepted Answers: It magnifies the engine torque.	1 po
2) Which one of the following is not a component of a clutch assembly?	
O Pressure plate	
Release Bearing	
O Flywheel	
O Lay shaft	
No, the answer is incorrect.	
Score: 0	
Accepted Answers: Lay shaft	
3) Which one of the following statements is true?	1 poi
The pressure plate presses the clutch plate against the flywheel when the clutch in engaged.	
The pressure plate presses the clutch plate against the flywheel when the clutch in disengaged.	
The pressure plate directly contacts the flywheel.	
The pressure plate is mounted on splines on the input shaft to the gearbox.	
The pressure plate presses the clutch plate against the flywheel when the clutch in engaged.	
4) The potential axial vibration due to the sudden engagement of the clutch plate with the flywheel is reduced by	1 poi
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	1 poi
O torsional spring.	1 poi
torsional spring. cushion spring.	1 poi
torsional spring. cushion spring. diaphragm spring. return spring. No, the answer is incorrect.	1 poi
torsional spring.  cushion spring.  diaphragm spring.  return spring.  No, the answer is incorrect. Score: 0	1 poi
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No, the answer is incorrect.

Accepted Answers:

Blocking ring

Accepted Answers:

Score: 0

Collar

No, the answer is incorrect.

Accepted Answers:

No, the answer is incorrect.

Score: 0

Score: 0

7) In an underdrive gear

It does not produce significant axial thrust. The engagement of teeth is more gradual. It is quieter in operation compared with a spur gear transmission.

the driver gear is smaller than the driven gear and the gear ratio is greater than 1.

the driver gear is smaller than the driven gear and the gear ratio is less than 1.

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the driver gear is larger than the driven gear and the gear ratio is smaller than 1.

the driver gear is smaller than the driven gear and the gear ratio is greater than 1.

It does not produce significant axial thrust. 9) Which is not a component of a typical synchronizer? O Hub Outer sleeve O Collar

The selector fork rests in the synchronizer groove. O hub. ospline.

blocking ring.

Accepted Answers:

Score: 0

groove.

The net gear ratio of an automotive driveline is the sum of the transmission ratio and the final drive gear ratio.

No, the answer is incorrect.

the ratio of the transmission ratio and the final drive gear ratio. No, the answer is incorrect. Score: 0 Accepted Answers: the product of the transmission ratio and the final drive gear ratio.

the difference of the transmission ratio and the final drive gear ratio.

the product of the transmission ratio and the final drive gear ratio.

12) The force that acts on the vehicle due to the hysteresis of the tyre is grade resistance. aerodynamic drag. inertia.

13) The magnitude of the longitudinal dynamic load transfer increases with

orolling resistance.

Accepted Answers: rolling resistance.

Score: 0

Score: 0

No, the answer is incorrect.

increase in CG height and increase in wheelbase. increase in CG height and decrease in wheelbase. decrease in CG height and increase in wheelbase. decrease in CG height and decrease in wheelbase.

Accepted Answers:

14) Which one of the following parameters does not influence the static load on a wheel?

No, the answer is incorrect.

 Total vehicle weight. Wheelbase. Longitudinal location of CG.

increase in CG height and decrease in wheelbase.

Height of CG.

No, the answer is incorrect.

Height of CG.

Accepted Answers:

Score: 0