

These are sample MCQs to indicate pattern, may or may not appear in examination

University of Mumbai

Online Examination 2020

Program: BE Mechanical Engineering

Curriculum Scheme: Revised 2016

Examination: Final Year Semester VII

Course Code: MEDLO7032 and Course Name: Automobile Engineering

Time: 1hour

Max. Marks: 50

Note to the students:- All the Questions are compulsory and carry equal marks .

Q	The starting system includes
A	a battery, a starter and an ignition switch
A	a battery, a distributor and an ignition switch
A	a battery, a starter and a distributor
A	a distributor, a starter and an ignition switch
Q	Two advantages of using helical gears instead of spur gear in transmission are
A	High strength & Low cost
A	High strength & less end thrust
A	Low noise level and high strength
A	Low noise level and economy
Q	What is running resistance of the vehicle?
A	Rolling resistance
A	Aerodynamic resistance
A	Sum of rolling and aerodynamic resistance
A	Traction force
Q	One purpose of recirculating ball type steering gear is to reduce the
A	operating friction
A	operating cost
A	toe out during turns
A	number of parts

Q	Electronic brake distribution controls
A	speed of engine
A	speed of differential
A	speed at transmission
A	speed at wheels
Q	Brake fade is
A	loss of pedal
A	loss of coefficient of friction
A	loss of hydraulic fluid
A	loss of lining thickness
	The parts of the cover assembly that holds the pressure plate against clutch plate are
Q	
A	release levers
A	thrust bearings
A	struts
A	springs
	By using synchronizing device the two involved adjacent gears have their speeds
Q	
A	increased
A	reduced
A	equalized
A	unequalized
Q	A starter motor is driven by
A	chain drive
A	gear drive
A	flat belt drive
A	V-belt drive
	The main feature of MacPherson strut suspension is that
Q	
A	the vertical size of the suspension can be made more compact
A	non-vertical external forces are supported by the suspension arms
A	the unsprung mass is lighter

A	the assembly is slightly more complicated in design
Q	Which of these falls under LMV(Light Motor Vehicle) category based on capacity?
A	Motorbikes
A	Cars
A	Buses
A	Trains
Q	Critical whirling speed of a shaft is increased by
A	increasing its length
A	decreasing its length
A	decreasing its diameter
A	increasing its diameter
Q	Final Drive consists of which of the following gear combination
A	Bevel Pinion & Crown Wheel
A	Ring gear & Sun Gear
A	Planet Pinion & Ring gear
A	Sun gear & Bevel pinion
Q	The component of torque converter that allows torque multiplication is
A	turbine
A	impeller
A	pump
A	stator
Q	The type of body movement of a vehicle in which the vehicle turn on its own longitudinal axis is:
A	Pitching
A	Bouncing
A	Yawing
A	Rolling
Q	Free pedal play in the car clutches about
A	3 mm
A	25 mm

A	60 mm
A	100 mm
Q	Aluminium alloys for engine/automobile parts are reinforced to increase their
A	Strength
A	Wear resistance
A	Elastic modulus
A	Density
Q	The Correct way to rectify an imbalanced wheel is to
A	adjust the tyre pressure
A	rotate the tyres
A	adjust the damper spring tension
A	attach appropriate weights to the wheel at appropriate positions
Q	The rotor of alternator has
A	No slip rings
A	Two slip rings
A	Three slip rings
A	Four slip rings
Q	In automobile TCS means
A	Transmission control system
A	torque control system
A	temperature control system
A	Traction control system
Q	The generator which gives dc supply to the rotor of an alternator is called
A	Convertor
A	Exciter
A	Inverter
A	Rectifier
Q	Component of wheel cylinder which seals the brake fluid is
A	piston

A	spring
A	dust cover
A	cup
Q	An under-inflated tyre will wear the tread most
A	near the centre
A	near the edges
A	in the lateral direction
A	in the cross direction
Q	Abbreviation HEVs stands for what
A	Highly Efficient Vehicles
A	Hybrid Electric Vehicles
A	Highly Economic Vehicles
A	Highly Engineered Vehicles
Q	Adaptive cruise control is related to controlling vehicles
A	temperature
A	load
A	speed
A	price

