

- Q.27 Explain anti-lock breaking system. (CO6)
- Q.28 Write down the requirements of power brakes.(CO6)
- Q.29 Explain the construction of hand brake and its working. (CO6)
- Q.30 Write any five faults in braking system and their causes. (CO8)
- Q.31 Explain the construction of cross-ply tyres. (CO2)
- Q.32 Explain the principle of hydraulic shock absorber. (CO1)
- Q.33 Explain the purpose of tyres. (CO1)
- Q.34 Explain the working of vacuum brakes. (CO6)
- Q.35 Describe Traction control system. (CO9)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Illustrate the construction & working of hydraulic brake system. (CO3)
- Q.37 Explain tube & tubeless tyres with their constructional details. (CO2)
- Q.38 Enlist the various factors considered designing the vehicle for minimum injury in case of accident. (CO9)

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5th Sem / Auto Subject:- Chasis, Body and Transmission- II

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 A tandem master cylinder has- (CO6)
- a) one piston b) Two pistons
- c) three pistons d) no pistons
- Q.2 In the specification of a tyre - 195/55 R 16, R stands for _____ (CO3)
- a) Radius b) Type of r/m
- c) Type of carcass d) Run flat tyre
- Q.3 Which of the following is not a power brake:- (CO6)
- a) Vacuum brake b) Air brake
- c) Air hydraulic brake d) Hydraulic brake
- Q.4 Tread wear indicator is located- (CO3)
- a) on the tyre, where the tread meets the side wall
- b) on the dashboard of vehicle
- c) at the wheel alignment shops
- d) on the front bumper of vehicle

- Q.5 Tyre rotation is carried out for _____ (CO4)
- Reconditioning of a damaged tyre
 - equalizing the wear of all tyres in a vehicle
 - free movement of tyres
 - removing impurities from tyre
- Q.6 When child lock is on- (CO9)
- the door can be opened from inside
 - the door can be opened from outside
 - all the doors will be closed automatically
 - the door can not be opened
- Q.7 Immobilizer system is used for _____ (CO9)
- Mobile phones
 - Antitheft device
 - Ignition
 - Air bag working
- Q.8 In vacuum brakes the vacuum is created by: (CO6)
- Pump
 - Intake manifold
 - Exhaust manifold
 - Fuel pump
- Q.9 Excessive tyre wear may be caused due to _____ (CO4)
- Over-inflation
 - under-inflation
 - unbalance
 - All of these
- Q.10 The outer portion of tyre made up of synthetic rubber which rolls on road is called- (CO2)
- cushion
 - tread
 - sidewall
 - spokes

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SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Define unsprung weight. (CO1)
- Q.12 Write the main parts of mechanical brake System. (CO3)
- Q.13 How front end safety is achieved? (CO5)
- Q.14 Define tyre wear? (CO2)
- Q.15 Define brake lining. (CO3)
- Q.16 Define fire fighting. (CO5)
- Q.17 Explain the duties of First Aider? (CO5)
- Q.18 Define wheel assembly. (CO3)
- Q.19 Classify brakes. (CO6)
- Q.20 Write down the form of EVS? (CO9)

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Explain pneumatic suspension system. (CO1)
- Q.22 Write down the requirements of wheels. (CO2)
- Q.23 Explain wheel balancing. (CO5)
- Q.24 Describe drum brakes. (CO3)
- Q.25 Explain the principle of braking system. (CO6)
- Q.26 Explain anti-skid devices. (CO6)

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