

5th Semester/Automobile
Subject: Chassis, Body & Transmission-II

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Full form of ABS is _____.
- a) Automatic break simulator
 - b) Anti break simulator
 - c) Anti lock Braking System
 - d) Automatic break system
- Q.2 In Air hydraulic brake Air pressure is converted into _____ pressure.
- a) Mechanical
 - b) Vacuum
 - c) Electrical
 - d) Hydraulic
- Q.3 The process of removing the air from the brake system is known as
- a) Vacuum
 - b) Tapping
 - c) Bleeding
 - d) Breaking

- Q.4 A tandem master cylinder has
- a) One piston b) Three piston
c) Two piston d) No piston
- Q.5 In tubeless tyres:
- a) Air is filled in a tube inside the tyre
b) Air is filled in between rim & tyre
c) No air is require
d) Liquid is filled in place of air
- Q.6 Shock absorber works on the principle of _____ friction
- a) Fluid b) Solid
c) Air d) All of these

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Define wheel Base.
- Q.8 Write down the material used for spring.
- Q.9 Define the bleeding of brakes.
- Q.10 What are the types of wheels?
- Q.11 Define torsion bar.
- Q.12 Define a tubeless tyre.

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Explain constructional details of various types of wheels.
- Q.14 Explain construction and working of a disc brake.
- Q.15 Explain tyre care and its maintenance.
- Q.16 Give a comparison b/w tube tyre & tube less tyre.
- Q.17 Explain antilock braking system.
- Q.18 Explain the working of mechanical braking system.
- Q.19 Write down the principle of shock absorber.
- Q.20 What are the factors affecting excessive tyre wear?
- Q.21 Differentiate between cross ply and radial ply tyres.
- Q.22 Explain about cruise control.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain the construction and working of Air Bags.
- Q.24 Define the wheel balancing. Also explain static & dynamic balancing in brief.
- Q.25 Explain the construction and working of Mac Pherson independent suspension system.

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