

- Q.17 Explain cross-ply tyres. (CO2)
 Q.18 Explain the principle of breaking system. (CO3)
 Q.19 Explain anti-lock breaking system. (CO4)
 Q.20 Explain wheel cylinder with details. (CO3)
 Q.21 Explain the purpose & classification of tyres. (CO2)
 Q.22 Describe the various brake lining material. (CO4)

SECTION-D

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

- Q.23 Illustrate the construction & working of hydraulic brake system. (CO3)
 Q.24 Explain rigid axle & independent suspension system in brief. (CO1)
 Q.25 Explain briefly (Any two) (Co5)
 a) electronic brake force distribution
 b) antilock brake system
 c) traction control system
 d) Night vision system

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5th Sem / Automobile Subject : Chassis, Body and Transmission - II

Time : 3 Hrs. M.M. : 60

SECTION-A

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

- Q.1 In a diesel engine, the fuel gets ignited by - (CO1)
 a) fuel injector
 b) electric spark
 c) heater plug
 d) heat of compressor air
 Q.2 A transfer case is used in - (CO2)
 a) all vehicles
 b) front wheel drive vehicles
 c) rear wheel drive vehicles
 d) four wheel drive vehicle

- Q.3 In the air brake system, the valve which regulates the line air pressure is- (CO3)
a) brake valve b) delivery valve
c) thermostat valve d) unloader valve
- Q.4 The metal used for body building of automobiles is generally - (CO1)
a) cast iron b) steel
c) copper d) aluminium
- Q.5 The tyre& tubes fitted on the outer circular portion of wheel is called- (Co2)
(rim/shim/flat base rim)
a) Rim b) Flat base rim
c) Shim d) Hub
- Q.6 The outer portion of tyre made up of synthetic rubber which rolls on road is called -
(Cushion/tread/spokes) (CO2)
a) Tread b) Spoke
c) Cushion d) Bead

SECTION-B

- Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)
- Q.7 What do you mean by tyre wear? (CO2)
- Q.8 Describe the main parts of mechanical brake system. (CO3)
- Q.9 Define brake lining. (CO3)
- Q.10 Write down the full form of ABS? (CO3)
- Q.11 ABS is termed as_____ (CO5)
- Q.12 Classify brakes. (CO3)

SECTION-C

- Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)
- Q.13 Explain the working of Disc brake. (CO4)
- Q.14 Write down three functions & requirements of wheels. (CO2)
- Q.15 Explain wheel balancing. (CO2)
- Q.16 What do you mean by pneumatic suspension system? (CO3)