

- 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/flast 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)