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220352

5th Sem./ 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 Two general types of tyres are (CO2)

a) Tube type & tubeless b) Solid & Tubeless

c) Air & Pneumatic d) Split rim & drop centre

Q.2 A tandem master cylinder has - (CO2)

a) One piston b) Two piston

c) Three piston d) No piston

Q.3 In a single dry plate clutch, torsional vibrations are absorbed by- (CO1)

a) Coil springs b) Cushion Springs

c) Central Hub d) Clutch Pedal

Q.4 Seat belts used in cars are generally- (CO5)

a) Two point type b) Three point type

c) Four point type d) Six point type

Q.5 The metal used for body building of automobiles is generally- (CO3)

a) Cast iron b) Steel

c) Copper d) Aluminium

Q.6 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 required

d) Liquid is filled in place of air

Section-B

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

Q.7 Define rim. (CO2)

Q.8 Write down the material used for spring. (CO1)

Q.9 What are the purpose of brakes? (CO3)

Q.10 Define different types of brakes? (CO3)

Q.11 Define bleeding of brakes. (CO4)

Q.12 What is pneumatic suspension system? (CO1)

Section-C

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

Q.13 Write down the principle of shock absorbed. (CO1)

Q.14 Explain different types of rims. (CO2)

Q.15 Explain the working of mechanical breaking system. (CO3)

Q.16 Explain anti lock devices. (CO5)

Q.17 What do you mean by wheel balancing? (CO2)

Q.18 Write down the principle of vaccum brakes. (CO2)

Q.19 Explain master cylinder with its constructional details. (CO3)

Q.20 Explain radial-ply tyres. (CO3)

Q.21 Explain pneumatic suspension system. (CO3)

Q.22 Write down the advantages of independent suspension system. (CO1)

Section-D

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

Q.23 Explain rigid axle & independent suspension system in brief. (CO1)

Q.24 Define wheel balancing. Also explain static & dynamic balancing in brief. (CO2)

Q25 Explain tube & tubeless type with their constructional details. (CO2)