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220345

4th Sem / Automobile

Subject : Chassis, Body and Transmission - I

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 VIN stands (CO4)
- a) Visual number
 - b) Vehicle Identification number
 - c) Very important number
 - d) None
- Q.2 Need of gear box is (CO4)
- a) Vary speed of vehicle
 - b) Vary Torque of vehicle
 - c) Vary power
 - d) Accelerate
- Q.3 Powerstrain consist of (CO6)
- a) Clutch
 - b) Gearbox
 - c) Differential
 - d) All of the above

Q.4 Which material has highest coefficient of friction. (CO3)

- a) Fabric b) Asbestos
c) Ferodo d) Cork

Q.5 Material used for making car body (CO3)

- a) White C.I. b) Malleable C.I.
c) Steel d) Plastic

Q.6 Toe-in _____ the rolling effects caused by camber variations. (CO9)

- a) Minimises b) Maximises
c) Zero d) No effect

SECTION-B

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

Q.7 Define chassis. (CO2)

Q.8 Write frame material (CO2)

Q.9 The function of fluid flywheel is _____ (CO3)

Q.10 Advantage of synchromesh gear box is _____ (Co4)

Q.11 Write function of propeller shaft. (CO5)

Q.12 Where live axle is used? (CO7)

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SECTION-C

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

Q.13 Explain wheel drive types. (CO2)

Q.14 Illustrate body upholstery. (CO1)

Q.15 Explain vehicle air conditioning. (CO2)

Q.16 Explain single plate clutch. (CO3)

Q.17 Write common faults and remedies in a clutch. (CO3)

Q.18 Explain torque Tube drive. (CO6)

Q.19 Draw universal joint and write its function. (CO6)

Q.20 Explain common fault and remedies steering system. (CO8)

Q.21 Write wheel alignment procedure. (CO9)

Q.22 Explain steering system linkage mechanism (CO8)

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 Differential with diagram. (CO2)

Q.24 Explain construction and working of sliding mesh gear box. (CO4)

Q.25 Explain construction and working of power steering system. (CO8)

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