

SECTION-D

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

Q.23 Explain construction & working of Ackermann steering mechanism. (CO-7)

Q.24 Explain construction & working of hydraulic clutch. (CO-3)

Q.25 Explain all the parts of chassis & frame with diagram. (CO-2)

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4th Sem / Automobile Engineering

Subject : Chassis, Body & Transmission-1

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 The central portion of the wheel is called- (CO-3)

- a) Rim
- b) Scale
- c) Hub
- d) Axle

Q.2 An automobile chassis does not include which one of the following parts? (CO-2)

- a) Shock absorbers
- b) Steering systems
- c) Differential
- d) Brakes

Q.3 The transmission system transmits _____ from engine to wheels- (CO-3)

- a) Speed
- b) Power
- c) Current
- d) Pressure

- Q.4 Which of these were or are used in automobiles to provide suspension? (CO-1)
- a) Leaf springs
 - b) Coil springs
 - c) Torsion bars
 - d) All of the above
- Q.5 Which of the following is not a part of transmission systems- (CO-2)
- a) Clutch
 - b) Axles
 - c) Wheels
 - d) Gear box
- Q.6 Unit of power is- (CO-5)
- a) Watt
 - b) Watt/Hour
 - c) Newton
 - d) None of the above

SECTION-B

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

- Q.7 Define an automobile. (CO-1)
- Q.8 What is the function of seat belt? (CO-2)
- Q.9 Transfer box is in _____ vehicles. (CO-3)
- Q.10 What do you mean by suspension? (CO-1)
- Q.11 What is the function of gear box? (CO-4)
- Q.12 Define caster. (CO-7)

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SECTION-C

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

- Q.13 Explain different types of automobiles. (CO-2)
- Q.14 Define multiplate clutch. (CO-2)
- Q.15 Explain- (a) Over steering (b) Under steering (CO-7)
- Q.16 Explain constructional details of differential. (CO-3)
- Q.17 Discuss rear axle with diagram. (CO-5)
- Q.18 Explain- (a) Over steering (b) Under steering (CO-7)
- Q.19 Define link & mechanism in steering system. (CO-7)
- Q.20 Explain fluid flywheel in brief. (CO-4)
- Q.21 Explain the working of sliding mesh gear box in brief? (CO-4)
- Q.22 Define link & mechanism in steering system. (CO-7)

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