

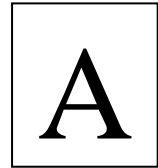


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**SNS College of Technology, Coimbatore-35.
(Autonomous)**

**B.E/B.Tech- Internal Assessment -II
Academic Year 2023 – 2024 (Odd)**



Third Semester

Automobile Engineering

19AUB202 – AUTOMOTIVE SYSTEMS

Time: 1^{1/2} Hours

Maximum Marks: 50

Answer All Questions

PART - A (5 x 2 = 10 Marks)

	CO	Blooms
1 Analyze the importance of Caster angle in a vehicle	CO2	Ana
2 Compare the power steering with a manual steering system	CO2	Ana
3 Identify the type of Clutch that can be used in Automatic Transmission vehicles	CO3	App
4 Analyze the features of Overdrive.	CO3	Ana
5 Inspect the importance of Universal Joint	CO3	Ana

PART – B (40 Marks)

6 (a) Analyze the need and process of Wheel alignment and also analyze the various steering geometry.	13	CO2	Ana
(or)			
(b) Inspect the principle and construction working of Hydraulic Power steering with a neat sketch	13	CO2	Ana
7 (a) Examine the construction and working of Single Plate Clutch with a neat sketch	13	CO3	Ana
(or)			
(b) Analyze the features of Full Floating axle with a neat sketch.	13	CO3	Ana
8. (a) Inspect the principle and construction working of Hydroelectric Power steering with a neat sketch	14	CO2	Ana
(or)			
(b) Analyze the working of Constant Mesh Gearbox with a neat sketch	14	CO3	Ana

Rem – Remembrance, Und – Understanding, App- Apply, Ana – Analyse, Cr- Create