

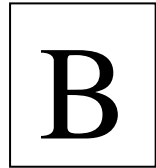


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**SNS College of Technology, Coimbatore-35.
(Autonomous)**

**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 Camber angle in a vehicle	CO2	Ana
2	Compare the Understeer with a oversteer	CO2	Ana
3	Identify the type of Clutch that can be used in Heavy Vehicles	CO3	App
4	Analyze the features of Transfer box	CO3	Ana
5	Inspect the importance of Torque converter	CO3	Ana

PART – B (40 Marks)

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

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