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

**B.E/B.Tech- Internal Assessment -III
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 desirable characteristics of a suspension system	CO4	Ana
2	Compare the Leaf spring with a Coil spring	CO4	Ana
3	Identify the need of a good braking system	CO5	App
4	Differentiate disc brake with drum brake	CO5	Ana
5	Inspect the importance of Alloy wheel in a vehicle	CO5	Ana

PART – B (40 Marks)

6	(a) Examine the construction and working of Independent Suspension System with a neat sketch	13	CO4	Ana
	(or)			
	(b) Analyze the principle and construction working of Telescopic Shock Absorber with a neat sketch	13	CO4	Ana
7	(a) Inspect the principle and working of Hydraulic Braking system with a neat sketch	13	CO5	Ana
	(or)			
	(b) Analyze the construction details of tires with a neat sketch.	13	CO5	Ana
8.	(a) Inspect the various types of springs used in an Automotive Suspension system with a neat sketch	14	CO4	Ana
	(or)			
	(b) Analyze the construction and working of Disc Brake with a neat sketch	14	CO5	Ana

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