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

B.E/B.Tech- Internal Assessment -I
Academic Year 2023 – 2024 (Even)

Sixth Semester

Automobile Engineering

19AUE308 – SPECIAL VEHICLES

B

Time: 1^{1/2} Hours

Maximum Marks: 50

Answer All Questions

PART - A (5 x 2 = 10 Marks)

		CO	Blooms
1	Is it possible to apply the Front End Loader for digging the Cylindrical hole?	CO1	Ana
2	List out any four special vehicles used in Mining Areas	CO1	App
3	Is it possible to apply the Differential steering system in Wheeled Special Vehicles?	CO1	Ana
4	Compare the features of Mixing Machine with Concrete Ready mix Truck	CO2	Ana
5	Consider that you need to construct a flyover from Prozone mall to Saravanampatti Junction. Mention the special Vehicles that you will use to get your job done	CO2	Ana

PART – B (40 Marks)

6	(a) Discuss briefly about the construction layout of Back Hoe Loader with a neat sketch.	13	CO1	U
	(or)			
	(b) Describe the construction layout and application of Dump Truck with a neat sketch	13	CO1	R
7	(a) Elaborately discuss about the construction and working of Excavator with a neat sketch	13	CO2	U
	(or)			
	(b) Analyse the various features and components of Concrete Readymix Truck with a neat sketch.	13	CO2	Ana
8.	(a) Apply the Suitable Special Vehicles for the purpose of Constructing the Underground Drainage System and also explain each and every vehicle used in Detail.	14	CO1	App
	(or)			
	(b) Apply the Suitable Special Vehicles for the purpose of Constructing the Shopping Mall and also explain each and every vehicle used in Detail	14	CO2	App

Prepared by

Verified by

HOD / Auto