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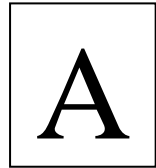
**SNS College of Technology, Coimbatore-35.**  
**(Autonomous)**

**B.E/B.Tech- Internal Assessment -I**  
**Academic Year 2022 – 2023 (Even)**

**Sixth Semester**

**Automobile Engineering**

**19AUE308 – SPECIAL VEHICLES**



**Time: 1<sup>1/2</sup> Hours**

**Maximum Marks: 50**

**Answer All Questions**

**PART - A (5 x 2 = 10 Marks)**

		<b>CO</b>	<b>Blooms</b>
1	Is it possible to apply the Front End Loader for digging the Cylindrical hole?	<b>CO1</b>	<b>Ana</b>
2	List out any four special vehicles used in Mining Areas	<b>CO1</b>	<b>App</b>
3	Is it possible to apply the Differential steering system in Wheeled Special Vehicles?	<b>CO1</b>	<b>Ana</b>
4	Compare the features of Mixing Machine with Concrete Ready mix Truck	<b>CO2</b>	<b>Ana</b>
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	<b>CO2</b>	<b>Ana</b>

**PART – B (13 x 2 = 26 Marks)**

6	(a) Discuss briefly about the construction layout of Back Hoe Loader with a neat sketch.	13	<b>CO1</b>	<b>U</b>
	(or)			
	(b) Describe the construction layout and application of Dump Truck with a neat sketch	13	<b>CO1</b>	<b>R</b>
7	(a) Elaborately discuss about the construction and working of Excavator with a neat sketch	13	<b>CO2</b>	<b>U</b>
	(or)			
	(b) Analyse the various features and components of Concrete Readymix Truck with a neat sketch.	13	<b>CO2</b>	<b>Ana</b>

**PART – C ( 14 x 1 = 14 Marks )**

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	<b>CO1</b>	<b>App</b>
	(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	<b>CO2</b>	<b>App</b>