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**SNS College of Technology, Coimbatore-35.**  
**(Autonomous)**  
**B.E/B.Tech- Internal Assessment -II**  
**Academic Year 2022 – 2023 (Even)**  
**Sixth Semester**  
**Automobile Engineering**  
**19AUE308 – SPECIAL VEHICLES**

**B**

**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 use Motor grader for compacting the road surface?	<b>CO2</b>	<b>Ana</b>
2	List out any two special vehicles used for laying the Road.	<b>CO2</b>	<b>App</b>
3	Analyze the reason, why the rear tyre is larger than the front tyre in tractors.	<b>CO3</b>	<b>Ana</b>
4	Compare the features of power tillers with tractors	<b>CO3</b>	<b>Ana</b>
5	Justify the reason why the tractors are provided with two driving modes	<b>CO3</b>	<b>Ana</b>

**PART – B (40 Marks)**

6	(a) Elaborately Discuss about the construction layout of Driller Rig with a neat sketch.	13	<b>CO2</b>	<b>Und</b>
	(or)			
	(b) (i) Describe the construction layout and application of Vibration compactor with a neat sketch	8	<b>CO2</b>	<b>Rem</b>
	(ii) Compare and contrast the working of Driller Rig with the Pile driver.	5	<b>CO2</b>	<b>Ana</b>
7	(a) With the aid of a neat sketch explain the construction and working of a Tractor	13	<b>CO3</b>	<b>Und</b>
	(or)			
	(b) Analyse the various features and components of Sugarcane harvester with a neat sketch.	13	<b>CO3</b>	<b>Ana</b>
8.	(a) Apply the Suitable Special Vehicles for the purpose of Road Extension work followed by Laying the flyover over it and also explain each and every vehicle used in Detail.	14	<b>CO2</b>	<b>App</b>
	(or)			
	(b) Apply the Suitable Special Vehicles for the purpose of paddy Cultivation and also explain each and every vehicle used in Detail	14	<b>CO3</b>	<b>App</b>

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