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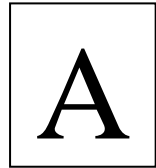
SNS College of Technology, Coimbatore-35.
(Autonomous)

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

Sixth Semester

Automobile Engineering

19AUE308 – SPECIAL VEHICLES



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 Dumper for digging?	CO1	Ana
2	List out any four special vehicles used for moving Loosen Materials	CO1	App
3	Is it possible to apply the Differential steering system in Wheeled Special Vehicles?	CO1	Ana
4	Compare the features of Hoist with Jip Cranes	CO2	Ana
5	Justify the reason for the rotation of Concrete mixer tank in a Concrete Ready mix vehicle while transporting.	CO2	Ana

PART – B (13 x 2 = 26 Marks)

6	(a) Elaborately Discuss about the construction layout of Bull Dozer with a neat sketch.	13	CO1	U
	(or)			
	(b) (i) Describe the construction layout and application of Dumper with a neat sketch	8	CO1	R
	(ii) Compare and contrast the working of Bucket Wheel Excavator with the front end loader in mining areas.	5	CO1	Ana
7	(a) With the aid of a neat sketch explain the construction and working of Excavator	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 Flyover from Saravanampatti to Prozone Mall and also explain each and every vehicle used in Detail	14	CO2	App

Prepared by

Verified by

HOD / Auto