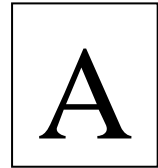




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SNS College of Technology, Coimbatore-35.
(Autonomous)
B.E/B.Tech- Internal Assessment -III
Academic Year 2023 – 2024 (Even)
Sixth Semester
Automobile Engineering
19AUE308 – SPECIAL VEHICLES



Time: 1^{1/2} Hours

Maximum Marks: 50

Answer All Questions

PART - A (5 x 2 = 10 Marks)

		CO	Blooms
1	List out the practical applications of Towing Vehicle	CO4	App
2	Analyze the case that what will happen if you tow the four-wheel drive vehicle with the wheel towing truck?	CO4	Ana
3	Compare the features of Battle Tank with Infantry vehicle	CO5	Ana
4	Is it possible to use Communication Vehicle for attacking? Justify your answer.	CO5	Ana
5	Justify the reason why aerodynamics is more important in Motorsports	CO5	Ana

PART – B (13 x 2 = 26 Marks)

6	(a) Elaborately Discuss about the constructional layout of Forklift Truck with a neat sketch and also write short notes on the various attachments used in it.	13	CO4	U
	(or)			
	(b) (i) Describe the construction layout and application of Scissor Lift Truck with a neat sketch	8	CO4	R
	(ii) Compare and contrast the working of Mobile Crane with the Industrial Jib Crane.	5	CO4	Ana
7	(a) Analyze briefly about the features of Bridge Builder and Gun Carrier & Transport Vehicle with a neat sketch.	13	CO5	Ana
	(or)			
	(b) With the aid of a neat sketch explain the construction Features of Formula One Car.	13	CO5	U
8.	(a) Construct a Go-kart for 125cc Category for Go-kart Racing competition and elaborate its construction procedure with a neat sketch.	14	CO5	Cre
	(or)			
	(b) Apply the Suitable Special Vehicles for the purpose of rescuing the people during fire accidents in Tall Buildings.	14	CO4	App

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

Prepared by

Verified by

HOD / Auto