Name:

**Enrolment No:** 



## **UPES**

## **End Semester Examination, May 2023**

**Course: Automotive Ergonomics and Styling** 

**Semester: VI Program: B. Tech (ADE)** Time : 03 hrs. **Course Code: SDTD3028** Max. Marks: 100

## **Instructions:**

	SECTION A		
	(5Qx4M=20Marks)		
S. No.		Marks	CO
Q 1	What are different ergonomic aspects in automotive design and Engineering?	4	CO1
Q 2	What is the importance of design process in the designing of Vehicle?	4	CO1
Q 3	Write down the five trends, which are currently adopted by Vehicle manufacturers?	4	CO1
Q 4	Why is application of ergonomics in vehicle design essential? Explain with example	4	CO2
Q 5	What is anthropometric percentiles?	4	CO2
	SECTION B		1
	(4Qx10M=40 Marks)		
Q 6	What are the 5 stages of design? What makes you passionate about cars?	10	CO3
Q 7	What are the futuristic tire and write down the five examples with neat and clean sketches?	10	CO3
Q 8	What are the different physical principles of ergonomic applicable while designing the vehicle?	10	CO4
Q 9	How would you improve the look or feel of a current vehicle?	10	CO4
	SECTION-C (2Qx20M=40 Marks)		•
Q 10	What are key factor while designing the futuristic vehicle?	20	CO3
Q 11	What is anthropometry? With the help of anthropometry how to improve, the different interior parts of vehicle with examples.  OR	20	CO4

What the different principles of cognitive ergonomics will be consider while designing the vehicle dashboard?		
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