

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2021

Course: Ergonomics & Styling (MEAD3006)

Semester: VI

Program: B.Tech. ADE

Time: 3 Hours

Max. Marks: 100

SECTION A

Note: All the questions are compulsory

S. No.		Marks	CO
Q-1	Describe Vehicle packaging?	5	CO6
Q-2	What are the main components of a vehicle package?	5	CO6
Q-3	Write the steps involved in a design process.	5	CO2
Q-4	Describe vehicle ergonomics.	5	CO5
Q-5	Write the steps involved in vehicle styling process.	5	CO1
Q-6	Describe biomechanics.	5	CO5

SECTION B

Q-7	Elaborate differences between engineering design process and design styling process. Give examples.	10	CO2
Q-8	Explain any for general principles of ergonomics for better design. OR "An ergonomist always tries to Fit a job/product to the user". Explain	10	CO5
Q-9	Describe styling of automotive interior and exterior. Illustrate with drawing styling of Sedan and styling of SUV.	10	CO1
Q-10	Describe the following vehicle dimension? Also point the dimensions in a diagram. a) H- Point b) AHP c) BOF d) A47 e) H30	10	CO6
Q-11	Draw the flow diagram showing tasks involved in occupant packaging and ergonomic evaluations.	10	CO5

SECTION C

Q-12	Consider Maruti WagonR old model and new model . Compare all the differences showing pictures of specific improvements. OR Draw your own interpretation on WagonR new style model giving all drawing details and metaphor	20	CO2
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