Total No. of Printed Pages:01

SUBJECT CODE NO:- H-1671
FACULTY OF SCIENCE AND TECHNOLOGY
M.E. (Mechanical)
Elective-III: Computer Aided Design
(REVISED)

[Time: Three Hours]   **[Max.Marks:80]**

Please check whether you have got the right question paper.

N.B
1. Solve any three questions from each section.
2. Figures to the right indicate full marks.
3. Assume suitable data, if necessary and state clearly.

Section A

Q.1	Explain product design process.	13
Q.2	What are solid modeling tools used in PRO/E? Explain with suitable example.	13
Q.3	Enlist and explain 2D and 3D transformations.	13
Q.4	What is significance of homogeneous representation? Explain with example.	13
Q.5	Write a short note on (any two):	14

a) Human factors design
b) DFX
c) Graphics and computing standards

Section B

Q.6	What is sweep representation? Explain with example.	13
Q.7	Represent any two synthetic surfaces mathematically.	13
Q.8	What is assembly modeling? Explain.	13
Q.9	What is design by feature? Discuss in detail.	13
Q.10	Write short notes (any two):	14

a) Cell decomposition
b) Curve representation
c) Open source CAD

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