

**SUBJECT CODE NO:- P-8206**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**M.E. (Mechanical) Examination May/June 2017**  
**Elective-III: Computer Aided Design**  
**(Revised)**

**[Time : Three Hours]**

**[Max Marks :80]**

Please check whether you have got the right question paper.

N.B	i) Answer any three questions from each section.	
	Section A	
Q.1	What is Human factors design? Explain.	13
Q.2	Write about the ground rules for design of graphics software.	13
Q.3	Write about the solid modeling tools used in CATIA.	13
Q.4	What is homogeneous representation? Explain with an example.	13
Q.5	Write short notes on any two:- (a) Design process (b) Solid works (c) Reflection transformation.	14
	Section B	
Q.6	Write about the data exchange standard IGES in detail.	13
Q.7	What is sweep representation? Explain with an example.	13
Q.8	What is Assembly modeling? Explain.	13
Q.9	What is FBM? Explain with an example.	13
Q.10	Write short notes on any two:- (a) Open CASCADE (b) Surface representation. (c) Cell decomposition.	14