Sanjay Ghodawat University, Kolhapur

2020-21

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

EXM/P/09/00

Year and Program: 2020-21 B.Tech.	**School of Technology**	**Department: Mechanical Engineering**
Course Code: MET309.2	**Course Title: CAD/CAM**	**Semester :V**
Day : Thursday Date:18/2/2021	**End Semester Examination**	**Time:2 Hrs. Max Marks:50**

Instructions: 1) All Questions are compulsory.

		Marks	**Bloom's Level**	**CO**
Q.1	**Answer the following (any Two)**–			
a)	Explain and Analyse the market condition of the NANO CAR with respect to the four stages in PLC?	8	L2	CO 309.2.1
b)	How CAD/CAM is useful in the product life cycle?	8	L2	CO 309.2.1
c)	Briefly explain the advantages and disadvantages of wire frame modelling.	8	L2	CO 309.2.2
Q.2	**Answer the following (any two) –**			
a)	Find the equations and endpoints of a line connecting to two points P1 and P2	8	L2	CO 309.2.2
b)	What is Bi linear surface, write its applications and disadvantages	8	L3	CO 309.2.3
c)	What is Coons patch? write its applications.	8	L3	CO 309.2.3
Q.3	**Answer the following (any two)**			
a)	Write comparison between wireframe and surface model.	9	L2	CO 309.2.3
b)	Differentiate between CSG and B-rep.	9	L2	CO 309.2.4
c)	Explain Solid model representation with Boundary representation (B-rep)and explain B-Rep data structure.	9	L2	CO 309.2.4

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