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 :Wednesday Date:23/12/2020	**End Semester Examination**	**Time:2 Hrs. Max Marks:50**

Question Paper

Instructions: 1) All Questions are compulsory.

		Marks	**Bloom's Level**	**CO**
Q.1	**Answer the following (any Two)**–			
a)	Explain the reasons of deployment of PLM systems.	8	L2	CO 309.2.1
b)	Discuss the features of 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 of a circle defined by a radius and centre.	8	L2	CO 309.2.2
b)	List different types of surfaces and briefly explain of any two of them.	8	L3	CO 309.2.3
c)	Write comparison between 2-D and 3-D models.	8	L3	CO 309.2.3
Q.3	**Answer the following (any two)**			
a)	What is Coons patch, write its applications.	9	L3	CO 309.2.3
b)	Explain Solid model representation with Boundary representation (B-rep)	9	L2	CO 309.2.4
c)	Explain boolean operations in Constructive solid geometry (CSG). Write advantage and disadvantage of Constructive solid geometry (CSG)	9	L2	CO 309.2.4

*****