

QUESTION BANK
Unit-II

(Short Answer) Questions)				
S.No.	Question	BT	CO	PO
1	What is the primary purpose of surface modeling in CAD?	L1	CO2	1,2
2	What are the key elements used to define a surface in surface modeling?	L1	CO2	1,2
3	Name three common surface modeling techniques used in CAD software.	L	CO2	1,2
4	Name three common surface modeling techniques used in CAD software.	L2	CO2	1,2
5	Why is maintaining "tangency" between surfaces important in surface modeling?	L2	CO2	1,2
6	What is a "trim" operation in surface modeling?	L2	CO2	1,2
7	What are "NURBS" and how are they used in surface modeling?	L3	CO2	1,2
8	In what situations would you prefer to use surface modeling over solid modeling?	L1	CO2	1,2
9	Mention two common applications of surface modeling in engineering design.	L1	CO2	1,2
10	What is the primary drawback of using surface modeling compared to solid modeling?	L2	CO2	1,2
part-B (Long Answer Questions)				
11	Explain the concept of surface modeling in computer-aided design (CAD). How does it differ from solid modeling?	L3	CO2	1,2
12	Discuss the different types of surface modeling techniques. Explain each with examples.	L3	CO2	1,2
13	What are the advantages and disadvantages of surface modeling in product design?	L3	CO2	1,2
14	How do NURBS surfaces work in surface modeling? What are their key features?	L3	CO2	1,2
15	What are the challenges faced while working with surface modeling, and how can these challenges be addressed?	L3	CO2	1,2

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