

UNIT-II

S. No.	Questions	BTL	CO	PO
Part-A(Short Answer Questions)				
1	Define beam.	L1	CO1	1
2	Classify different types of beams.	L1	CO1	1
3	Define shear force.	L2	CO1	2
4	Define bending moment.	L1	CO1	1
5	What is a cantilever beam?	L2	CO1	2
6	What is an overhanging beam?	L1	CO1	1
7	What is UDL?	L1	CO1	1
8	What is UVL?	L2	CO1	2
9	Define point of contra-flexure.	L2	CO1	2
10	State the relationship between load, shear force and bending moment.	L2	CO1	2
11	What is sagging and hogging moment?	L1	CO1	1
12	Define concentrated load.	L2	CO1	2
13	What is a simply supported beam.	L1	CO1	1
14	what is continous beam.	L2	CO1	2
15	What are types of supports and loads.	L2	CO1	2
Part- B(Long Answer Questions)				
1	Draw SF and BM diagrams for a cantilever carrying a point load.	L2	CO1	2
2	Draw SF and BM diagrams for a cantilever carrying UDL.	L4	CO1	2
3	Draw SF and BM diagrams for a simply supported beam carrying point loads.	L3	CO1	2
4	Draw SF and BM diagrams for a simply supported beam carrying UDL.	L3	CO1	2
5	Draw SF and BM diagrams for beams carrying UVL.	L4	CO1	3
6	Draw SF and BM diagrams for beams subjected to couples.	L4	CO1	3
7	Draw SF and BM diagrams for overhanging beams.	L4	CO1	2

Blooms Taxonomy Level (BT) (L1–Remembering; L2–Understanding; L3–Applying; L4– Analyzing; L5–Evaluating; L6–Creating)