

**Course Code / Name : U15GE101/Engineering Graphics****Class (Year / Programme / Department / Section): I/BE/CSE/A&B****LESSON PLAN**

UNIT -1 (Plane curves, Projection of points, lines and plane surfaces)				
Session No	Topic	Duration in Minutes	Teaching Aid	Book Referred
1	Introduction to Plane curves	45	BB	R2
2	Orthographic projection	45	BB	R2
3	principles	45	BB	R2
4	projection of points,	45	BB	R2
5	straight lines (only first angle projections)	45	BB	R2
6	plane surfaces	45	BB	R2
7	plane surfaces	45	BB	R2
8	polygonal and circular	45	BB	R2
UNIT -2 (Projection of solids)				
1	Projection of simple solids like prisms, and	45	BB	R2
2	pyramids	45	BB	R2
3	cylinders	45	BB	R2
4	cylinders	45	BB	R2
5	cones	45	BB	R2
6	when the axis is inclined to one of the principal planes by change of position method.	135	BB	R2
UNIT -3 (Section of solids)				
1	Sectioning of above solids in simple vertical position	45	BB	R1
2	Sectioning of above solids in simple vertical position	45	BB	R1
3	when the cutting plane is inclined to the one of the principal planes	45	BB	R1
4	obtaining true shape of section.	45	BB	R1
5	obtaining true shape of section.	45	BB	R1
6	when the cutting plane is inclined to the one of the principal planes	135	BB	R1
UNIT -4(Development of surfaces)				
1	Development of lateral surfaces of simple	45	BB	R1
2	prisms,	45	BB	R1
3	pyramids	45	BB	R1
4	truncated solids	45	BB	R1
5	cylinders	45	BB	R1
6	cones	45	BB	R1
7	pyramids	45	BB	R1
8	truncated solids	45	BB	R1
9	cylinders	45	BB	R1
UNIT -5(Isometric projections, Orthographic views from pictorial views and Perspective projections)				
1	Isometric projections	45	PPT	R1

2	orthographic views from pictorial views	45	PPT	R1
3	Introduction to Perspective projections	45	PPT	R1
4	Visual ray method	45	PPT	R1
5	orthographic views from pictorial views	45	PPT	R1
6	Visual ray method	45	PPT	R1