

Lesson Plan

Name of Institute : Ambala College of Engineering and Applied Research
 Name of the Faculty member : Dr. S.K. Jain
 Discipline : Mechanical Engineering& Biotechnology
 Semester : 2nd Sem
 Subject : Engineering Graphics& Design (ES-109)
 Lesson Plan Duration : 15 weeks (from Jan 2020 to April 2020)
 Work Load : L 1 T2

Week	Theory		Week	Practical
	Lecture day	Topic (including assignment/ test)		
1 st	1st	Principles of Engineering Graphics and their significance		
	2nd	usage of Drawing instruments		
	3rd	Lettering, Type of Lines		
2 nd	4th	Dimensioning		
	5th	Plain Scales		
	6th	Diagonal Sales		
3 rd	7th	Vernier Scales		
	8th	Conic sections (General method only)		
	9th	Rectangular Hyperbola (General method only)		
4 th	10th	Cycloid		
	11th	Epicycloid, Hypocycloid		
	12th	Involute		
5 th	13th	Sessional 1		
	14th	Sessional 1		
	15th	Sessional 1		
6 th	16th	Projection of points		
	17th	Projection of points		
	18th	Projection of Lines		
7 th	19th	Projection of Lines inclined to one plane		
	20th	Projection of Lines inclined to both plane		
	21st	Projection of Lines inclined to both plane		
8 th	22th	Projection of planes		

	23rd	Projection of planes		
	24th	Projection of inclined planes		
9 th	25th	Projection of solids		
	26th	Projection of solids inclined to one planes		
	27th	Projection of solids inclined to one planes		
10 th	28th	Projection of solids inclined to both planes		
	29th	Projection of solids inclined to both planes		
	30th	Projection of solids inclined to both planes		
11 th	31st	Sessional 2		
	32nd	Sessional 2		
	33rd	Sessional 2		
12 th	34th	Section of Solids		
	35th	Section of Solids		
	36th	Section of Solids		
13 th	37th	Development of surfaces		
	38th	Development of surfaces		
	39th	Development of surfaces		
14 th	40th	Isometric projection		
	41st	Isometric projection		
	42nd	Isometric projection		
15 th	43rd	Conversion of Isometric Views to Orthographic Views		
	44th	Conversion of Isometric Views to Orthographic Views		
	45th	Sessional 3		

(Signature of the teacher concerned with date)