

**FORMAT FOR LECTURER PLAN**

FACULTY NAME: SHUBHENDU PRASHANT SINGH      Year - 3rd      Semester 6      Branch- DIPLOMA ME      SUBJECT: INDUSTRIAL ENGINEERING									
LECT. No.	UNIT	MATTERS TO COVER	DETAILS AFTER THE LECTURES ARE DELIVERED				AFTER UNIT COVER		
			DATE	UNIT No.	AUTHOR	MATTER COVERED	UNIT No.	No. of LEC.	ASSIGN. No.
L1	1	<b>Productivity</b>			<b>Madhavendra Raj Jai Prakash Nath Publication</b>				
L2	1	Introduction to productivity,							
L3	1	factors affecting productivity,							
L4	1	practical measurement of							
L5	1	productivity,							
L6	1	difference between production and productivity,			<b>Anshul agarwal Asian publishers</b>				
L7	1	causes of low productivity							
L8	1	methods to improve productivity,							
L9	1	contribution of standardization in improving							
L10	1	productivity.							
L11	1	<b>REVISION</b>							
L12	1	<b>CLASS TEST</b>							
L13	2	<b>Work Study</b>							
L14	2	Definition and scope of work study;							
L15	2	factors for selection of work study job							
L16	2	uses and limitations of work study,							
L17	2	Inter-relation between method study							
L18	2	work measurement							
L19	2	Human aspects of work study;							
L20	2	Role of work study in improving productivity.							
L21	2	<b>REVISION</b>							
L22	2	<b>CLASS TEST</b>							
L23	3	<b>Method Study</b>							
L24	3	Definition, Objectives							
L25	3	procedure for Method study analysis							
L26	3	Information collection							
L27	3	recording techniques through various diagrams							
L28	3	Micromotion study							
L29	4	<b>Motion Analysis</b>							
L30	4	SIMO chart							
L31	4	Memomotion study							
L32	4	therblings							
L33	4	study of ergonomics and its objectives							
L34	4	Normal work area (Principle of motion economy)							
L35	4	design and arrangement of work place							
L36	4	<b>REVISION</b>							
L37	4	<b>CLASS TEST</b>							

L38	5	<b>Work Measurement</b>								
L39	5	Objectives; work measurement techniques,								
L40	5	stop watch time study								
L41	5	principle, equipment								
L42	5	used and procedure;								
L43	5	systems of performance rating								
L44	5	<b>standard elements of time,</b>								
L45	5	calculation of basic times								
L46	5	various allowances; guide for rest allowance in Indian conditon								
L47	5	calculation of standard time,								
L48	5	work sampling, standard data and its usage.								
L49	5	Work sampling.								
L50	6	<b>Wages and Incentive Schemes</b>								
L51	6	Introduction to wages,								
L52	6	Inventory control, calculation of EOQ								
L53	6	wage payment plans and incentives								
L54	6	various incentive plans								
L55	6	incentives for indirect labour								
L56	7	<b>Stores Management:</b>								
L57	7	Different Layout and structures of stores,								
L58	7	Bin cards and various forms required in stores for documentation.								
L59	7	Purchase procedures								
L60	7	<b>REVISION</b>								
L61	7	<b>CLASS TEST</b>								
L62	8	<b>Industrial Safety</b>								
L63	8	Accident- causes, types, results and control.								
L64	8	Mechanical and electrical hazards- types, causes and preventive steps/procedure.								
L65	8	Describe salient points of Factories Act 1948 for health and safety- wash rooms,								
L66	8	drinking water layouts, light, cleanliness, fire, guarding, pressure vessels etc.								
L67	8	Safety colour codes.								
L68	8	Fire prevention and fire fighting, equipment and methods.								
L69	8	Current developments in Arts and Cultural								
L70	8	Indian's Cultural Contribution to the World								
L71	8	<b>REVISION</b>								
L72	8	<b>CLASS TEST</b>								