Name of Teacher :- Rishu Dhiman Subject: Electric & Hybrid Vehicle Class: 6th Semester

No.	Month	Week	Date	Name of Chapter	Contents to be taught	Remarks
1	January	5th week	77 78 79	JNIT-I: Electric	Introduction; History of Hybrid and Electric Vehicles; Social and Environmental Importance of Hybrid and Electric Vehicles;	
2		1st week	1,3,4,5		Components, Vehicle mechanics: Roadway fundamentals,	
3	February	2nd week	10,11,15		Vehicle kinetics, Dynamics of vehicle motion; Propulsion System Design.	
4		3rd week	17,18,19,22		Basics: Types; Parameters: Capacity, Discharge rate, State of charge,	1st Assignment
5		4th week	24,25	Unit-II: Battery:	State of Discharge, Depth of Discharge; Technical characteristics,	
6		1st week	1,3,4,5		Battery pack Design, Properties of Batteries.	
7	March	2nd week	10,11,12,15	Unit-III: DC & AC Electrical Machines:	Motor and Engine rating; Requirements; DC machines;	2nd assignment
8	March	3rd week	17,18,19,22		Three phase A/c machines; Induction machines;	class test 1
9		4th week	24,25,26,29		Permanent magnet machines; Switched reluctance machines.	
1	0	1st week	1,2,5		Transmission configuration; Components: Gears,	
1	1	2nd week	7,8,9	Unit-IV: Electric Vehicle Drive Train:	Differential, Clutch, Brakes; Regenerative braking, Motor sizing;	
1	2 April	3rd week	16,19		Fuel efficiency analysis.	2nd class test
	13	4th week	21,22,23,26	Unit-V: Hybrid Electric	: Types: Parallel, Series, Parallel and Series	
-	14	5th week	28,30	Vehicles	configurations; Drive train;	3rd Assignment
	14	1st week	3,		Sizing of components;	PTM
	15	2nd week			House Test	
T	16 May	3rd week	13,14,17,19,2	Unit-V: Hybrid Electric	Basics of Micro, Mild, Mini, Plug in and Fully hybrid.	
75 18	18	4th week	21,24,26,27,2	8	Revision	

Signature of HOD

Name of Teacher :- Dhiraj Gupta Subject: Industrial Engineering Class: 6th Semester

S. No.	N	Month	Weel		Date	Name of Chapter	Contents to be taught	Remarks
1	1	January	5th we	eek	27,28,29,30	P	Plant; Selection of site of industry; Plant layout; Principles of a good layout; Types; Process; Product and Fixed position; Techniques to	Hellians
2			1st w	eek	3,4,5,6		improve Lavout: Principles of Material handling equipment; Plant maintenance; Importance; Break down maintenance; Preventive maintenance and Scheduled maintenance Plant Safety: Importance; Accident: Causes and Cost of an Accident, Accident Proneness, Prevention of Accidents; Industrial disputes; Settlement of Industrial disputes; Collective bargaining; Conciliation; Mediation: Arbitration	
3	Febru	February	2nd week	week	10,11,13	UNIT-I: Plant Engineering:		
	4		3rd	week	17,18,19,20		; Indian Factories Act 1948 and its provisions related to health, welfare and safety.	1st Assignment
	5		4th	week	24,25,27	UNIT-II: Work Study:	Productivity; Methods of improving Productivity, Importance of good working conditions. Method Study: Definition; Objectives; Selection of a job for method study;	
	6		1st	t week	3,4,5,6		Basic procedure for conduct of Method study; Tools used; Operation process chart; Flow process chart; Two handed process chart; Man Machine chart; String diagram and flow diagram. Work Measurement:	
	7 8 9	March	2r	nd week	10,11,12,13		Application of time allowances: Rest, Personal, Process, Special and Policy allowances; Calculation of standard time; Numerical Problems; Basic concept of production	2nd assignment
			3	Brd week	17,18,19,20		Techniques of Work Measurement; Ratio delay study; Synthesis from standard data; Analytical estimating and Pre determined Motion Time System (PMTS).	class test 1
				4th week	24,25,26,27		: Introduction; Major functions of Production Planning and Control; Pre planning; Methods of forecasting; Routing and Scheduling; Dispatching and Controlling; Concept of Critical Path Method (CPM);	
		Aþri	,	1st week	1,2,3	UNIT-III: Production		
	1:			2nd weel	k 7,8,9,10		Quality Control: Definition; Objectives; Types of Inspection: First piece, Floor and Centralized Inspection; Advantages and Disadvantages; Statistical Quality Control; Types of Measurements; Method of Variables;	

12		3rd week	16 17	UNIT-III: Production	Method of Attributes; Uses of X, R, p and c charts; Operating Characteristics curve (O.C curve); Sampling Inspection; Single and Double Sampling plan; Concept of ISO 9001:2008 Quality Management System Registration/Certification procedure; Benefits of ISO to the organization.	2nd class test
13	April	4th week	21,22,23,24		Definition of Management; Administration; Organization; F.W. Taylor's and Henry Fayol's Principles of Management; Functions of Manager; Types of Organization: Line, Staff, Taylor's Pure functional types; Line and staff and committee type; Directing; Leadership; Styles of Leadership; Qualities of a good leader; Motivation; Positive and Negative Motivation; Modern Management Techniques; Just In Time;	
14		5th week 28,30	UNIT-IV: Principles of Management:	Total Quality Management (TQM); Quality circle; Zero defect concept; SS Concept; Management Information Systems. Personnel Management: Responsibility of Human Resource Management; Selection Procedure; Training of Workers; Apprentice Training; On the Job training and Vestibule School Training; Job Evaluation and Merit Rating; Objectives	3rd Assignment	
1	5	1st week	1,		Importance; Wages and Salary Administration; Components of Wages; Wage Fixation; Type of Wage Payment: Halsey's 50% Plan, Rowan's Plan and Emerson's efficiency plan; Numerical Problems.	РТМ
					House Test	
	16 May	2nd week		UNIT-V: Financia Management:	Diminishing Value Method;	
	18	4th wee	21,22,26,27		Numerical Problems. Material Management: Objectives of good stock control system; ABC analysis of Inventory; Procurement and Consumption cycle; Minimum Stock, Lead Time, Reorder Level-Economic Order Quantity problems; Supply Chain	

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Name of Teacher :- Gaurav Puwari

Subject: Entrepreneurship & Start Ups Class: 6th

No.	Month	Week	Date	Name of Chapter	Class: 6th S	emester
				realine of Chapter	Contents to be taught	Remarks
1	January	5th week	27,29,31	UNIT 1 - Introduction to Entrepreneurship	Definitions, Traits of an entrepreneur, Intrapreneurship, Motivation.	
2		1st week	1,3,5,7	and Start-Ups	Types of Business Structures, Similarities/differences between entrepreneurs and managers.	
3	Tab.	2nd week	10,14,15	UNIT 2 - Business Ideas	Discovering ideas and visualizing the business	
4	February	3rd week	17,19,21,22	and their implementation	Activity map Business Plan	1st Assignmen
5		4th week	24,28		Market Analysis–Identifying the target market,	
6		1st week	1,3,5,7	UNIT 3 -Idea to Start- up	Competition evaluation and Strategy Development,	
7	March	2nd week	10,12,15		Marketing and accounting,	2nd assignmen
8		3rd week	17,19,21,22		Risk analysis	class test 1
9		4th week	24,26,28,29		Company's Organization Structure,	
10	0	1st week	2,4,5	UNIT 4 – Management	Recruitment and management of talent.	
1	1	2nd week	7,9,11		Financial organization and management	
1	2 April	3rd week	16,19		Financing methods available for start-ups in India	2nd class test
1	3	4th week	21,23,25,26	UNIT 5-Financing and Protection of Ideas	Communication of Ideas to potential investors—Investor Pitch	
1	14	5th week	28,30		Patenting and Licenses	3rd Assignmen
No. of the last of	16 May	1st week	2,3	UNIT 6 -Exit strategies for entrepreneurs,	bankruptcy,	PTM
F		2nd week			House Test	
	17	3rd week	14,16,17,19,21	UNIT 6 -Exit strategies	succession	
月日	18	4th week	23,24,26,28	for entrepreneurs,	harvesting strategy.	

Name of Teacher: - Meenakshi Saini Subject: Technical Communication (OE) Class: 6th Semester

No.	Month	Week	Date	Name of Chapter	Contents to be taught	Remarks
1	January	5th week	27,30,31	Unit 1: Fundamentals of Technical Communication	Language as a tool of Communication Features of Technical Communication	
2		1st week	1,3,6,7		Distinction between General and Technical Communication	
3	February	2nd week	10,13,14,15		4. Channels of Communication at workplace: Downward, Upward, Lateral or Horizontal, Diagonal, Grapevine, Consensus 5. Barriers to Communication and overcoming barriers	
4		3rd week	17,20,21,22		1. Types of Technical writing	1st Assignment
5		4th week	24,27,28		Drafting skills: Agenda and Minutes of Meetings, Official and Business Correspondence	
6		1st week	1,3,6,7	Unit 2. Technical	3. Different formats of Report writing	
7	March	2nd week	10,13,15	Writing	4. Basics of Grammar: Spotting errors in sentences (Noun, Pronoun, Verb, Adverb, Adjective, Preposition, Conjunction, Article, Modals, Tenses, Punctuation)	2nd assignment
8		3rd week	17,20,21,22		5. Resume Writing and Covering letter	class test 1
9		4th week	24,27,28,29	Unit 3. Presentation Skills	Concept and Significance of Presentation skills	
10		1st week	3,4,5		2. Steps of a Effective Presentation	
11		2nd week	7,10,11		3. Elements of Effective Presentation skills, including public speaking Clarity of substance; Emotion, Humour, Overcoming Fear, Confident speaking, Audience Analysis and Retention of audience interest	
12	April	3rd week	17,19		4. How to improve Presentation Skills	2nd class test
13		4th week	21,24,25		What are Speaking Skills and Characteristics of a Good Speech What is Panel Discussion and its procedure	
1	4	5th week	26,28	Unit 4. Speaking skil	3. Job Interview Skills: What to do Before, After and During Interview	3rd Assignment
1	5	1st week	1,2,3		Body Language Examples and their Meanings-Positive and Negative. Body language for Interviews	PTM
	6	2nd week			House Test	Marine Carlo
	May	3rd week	15,16,17,19	Unit 4. Speaking ski	5 Difference between Etiquettes and Manners ,Table Etiquettes , Business Etiquettes, Telephone Etiquettes, Dressing Etiquettes and Workplace Etiquettes, How to get along with opposite Gender	
31 8		CE IN LESS CONTRACTOR			6. What are the elements of Voice	

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Name of Teacher :- Nidhi Katoch Subject: Composites, Sciences & Technology (OE) Class: 6th Semester

No.	Month	Week	Date	Name of Chapter	Contents to be taught	Remarks
1	January	5th week	29,30,31		Definition – Classification and characteristics of Composite materials, terminology used in fiber science,	
2		1st week	1,5,6,7	1. Introduction:	Advantages and application of composites. Introduction to composite materials:	
3	February	2nd week	13,14,15		General characteristics of reinforcement-classification.	
4	rebluary	3rd week	19,20,21,22		Thermoplastic and thermosetting resins; Commonly used matrix reinforcement system;	1st Assignment
5		4th week	27,28		Fibre, Flake and particulate reinforced composites,	
6		1st week	1,5,6,7	2 Polymer matrix composites:	Reinforcements used in PMC's glass, carbon, aramids, boron,	
7	7 March	2nd week	12,13,15		Roving's, yarns, fabrics, etc.; Thermoset matrices for aerospace components-polyesters,	2nd assignment
	8	3rd week	19,20,21,22		epoxies, phenolics, vinyl esters, cyanate esters, etc.;	class test 1
	9	4th week	26,27,28,29		Composites for satellites and advanced launch vehicles,	
	10	1st week	2,3,4,5		Design considerations PMC for structural composites, Silicon carbide composites, design, processing and properties	
	11 April	2nd week	9,10,11	3 Specialty composites:	Carbon-Carbon composites: Matrix precursors, Manufacturing considerations, Nanocomposites: Nano particle dispersion in polymer matrix,	
	12	3rd week	16,17,19		Polymer- nanoclay composites and polymer- carbon nanotubes composites.	2nd class test
	13	4th week	23,24,25		Hand lay-up, Filament winding, Pultrusion, Resin transfer molding,	
	14	5th week	26,30	4 Manufacturing techniques:	Processing science of reactive polymer composites, Process steps for production, Selection of processing conditions toolings,	3rd Assignment
	15	1st week	1,2,3		Equipments, Carbon-carbon composites, Processing, Thermal and mechanical properties, Quality control.	PTM
	16	2nd week	E ROME PAR		House Test	
	17 May	3rd week	14,15,16,17	5 Testing of	Raw material testing, Property evaluation at laminate level,	
1	18	4th week	21,22,23,24,28	composites:	NDT techniques.	

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Name of Teacher :- Kharatti Lal

Subject: Indian Constitution

Class: 6th Semester

No.	Month	Week	Date	Name of Chapter	Contents to be taught	Remarks
1	January	5th week	27,28		History of making of the Indian Constitution. Meaning and importance of the Constitution.	
2		1st week	3,4		Salient features and Preamble of Indian Constitution.	
3		2nd week	10,11		Fundamental rights- meaning and limitations. Directive principles of state policy and Fundamental duties -their enforcement and their relevance.	
	February 4	3rd week	17,18	Unit 2 Union	Structure of Union Government. Union Executive- President, Vice-president, Prime Minister, Council of Ministers.	1st Assignment
-	5	4th week	24,25		Union Legislature- Parliament and Parliamentary proceedings.	
	6	1st week	3,4,		Union Judiciary-Supreme Court of India – composition and powers and function.	
	7 March	2nd week	10,11		Structure of State Government. state Executive- Governor, Chief Minister, Council of Ministers.	2nd assignment
1	0	3rd week	17,18		State Legislature-State Legislative	class test 1
ŀ	9	4th week	24,25		Assembly and State Legislative Council.	
-				Unit 3 State and Local Governments:	State Judiciary-High court.	
	11	1st week 2nd week	7,8		Local Government-Panchayat raj system with special reference to 73rd and Urban Local Self Govt. with special reference to 74th Amendment.	
	April	3rd week	21,22	Unit 4 Election provisions, Emergency provisions,	Election Commission of India-composition, powers and functions and electoral process.	2nd class test
	13	4th week	24,	Amendment of the	Types of emergency-grounds,	
	14	5th week	28,	constitution	procedure, duration and effects.	3rd Assignment
	15	1st week	2,		Amendment of the constitution- meaning,	PTM
	16 May	2nd week			House Test	
	17	3rd week	13,19		procedure and limitations.	
1	18	4th week		um Established States	Revision	

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