

Lesson Plan

Name of the Faculty:		Er. Nishi Midha	
Discipline :		BCA	
Semester :		1 st	
Subject :		Problem Solving through C	
Work Load (Lecture/Practical) per week (In hours) :		Lecture-4	
S.No.	Lecture No.	Theory	Pedagogy (PPT/Chalk and Board/Video Recording /Activity/Case Study)
		Topic(Including Assignment/Test/Quiz)	
1.	L1	Overview of C: History, Importance	Chalk and Board
2.	L2	Structure of C program, Constants & Variables	Chalk and Board
3.	L3	Identifiers, keywords, datatype, assignment statement	Chalk and Board
4.	L4	Input function: scanf (), getch(),getche(),	Chalk and Board
5.	L5	Input function: getchar(),gets()	Chalk and Board
6.	L6	Output function: printf(), putch(), putchar(), puts()	Chalk and Board, PPT
7.	L7	Revision	Chalk and Board, PPT
8.	L8	Operator: Arithmetic, Relational, Logical, Bitwise	Chalk and Board
9.	L9	Operator: Unary, Assignment, conditional operator, Special operator, Operator hierarchy	Chalk and Board, PPT
10.	L10	Expression: Arithmetic Expression, Evaluation of Arithmetic expression.	Chalk and Board, PPT
11.	L11	Revision	Chalk and Board
12.	L12	Type Casting & Conversion, Decision making with if statement	Chalk and Board, PPT
13.	L13	If- else statement, Nested if, else if ladder	Chalk and Board, PPT
14.	L14	Revision	Chalk and Board , PPT
15.	L15	Switch & break statement, goto statement	Chalk and Board
16.	L16	Looping statement: for	Chalk and Board
17.	L17	While loop	Chalk and Board , PPT

18.	L18	Do- while loop	Chalk and Board
19.	L19	Revision	Chalk and Board
20.	L20	Array: 1-D array- Declaration, Initialization & memory representation	Chalk and Board
21.	L21	2-D Array- Declaration, Initialization & memory representation	Chalk and Board
22.	L22	Class Test	Chalk and Board
23.	L23	Function: Definition, prototype	Chalk and Board
24.	L24	Function call, passing value- call by value	Chalk and Board
25.	L25	Passing value- call by reference	Chalk and Board
26.	L26	Revision	Chalk and Board, PPT
27.	L27	Recursive Function	Chalk and Board, PPT
28.	L28	String: Declaration & Initialization	Chalk and Board, PPT
29.	L29	String I/O, Array of String	Chalk and Board, PPT
30.	L30	String Manipulation Function: string length, copy, compare, concatenate	Chalk and Board, PPT
31.	L31	Search for a substring	Chalk and Board, PPT
32.	L32	Class Revision	Chalk and Board, PPT
33.	L33	Pointers in C: Declaring & Initializing pointers	Chalk and Board
34.	L34	Assessing address and value of variable using pointers	Chalk and Board
35.	L35	Pointer and Array	On Paper
36.	L36	Revision	Chalk and Board
37.	L37	User Defined data type: structure	Chalk and Board
38.	L38	Accessing structure members, Structure member Initialization	Chalk and Board
39.	L39	Array of structure	Chalk and Board, PPT
40.	L40	Class Test	Chalk and Board
41.	L41	Union- Definition	Chalk and Board
42.	L42	Difference between Union & Structure	Chalk and Board
43.	L43	Revision	Chalk and Board
44.	L44	Doubt Session	Chalk and Board

Lesson Plan

Name of the Faculty:			Ms. Pooja Yadav		
Discipline:			BCA		
Semester:			1st		
Subject:			Foundations of Computer Science		
Work Load (Lecture/Practical) per week (In hours):			Lecture-4		
S. No	Lecture No.	Theory			
		Topic (Including Assignment/Test/Quiz)		Pedagogy (PPT/Chalk and Board/Video Recording /Activity/Case Study)	
1.	L1.	Introduction to Computer, Evolution through Generations		Chalk and Board, PPT	
3.	L2.	Characteristics, Strengths & Limitations of Computers		PPT + Chalk & Board	
4.	L3.	Functional Components of Computer System		PPT	
5.	L4.	Applications of Computers in Various Fields		Discussion + PPT	
6.	L5.	Types of Software: System, Application, Utility		Chalk and Board	
7.	L6.	Shareware, Freeware, Firmware		PPT	
8.	L7.	Memory Concepts: Bit, Byte, Word, Nibble, Storage Units		Chalk and Board, PPT	
9.	L8.	Memory Hierarchy & Access Time		PPT	
10.	L9.	Primary Memory: RAM, ROM, PROM, EPROM		PPT	
11.	L10.	Secondary Storage Devices: Magnetic Tape, HDD		Chalk and Board	
12.	L11.	Optical Disk, Flash Memory		PPT	
13.		Assignment/Quiz – Unit I		On Paper/Google Form	
14.	L12.	Introduction to I/O Devices		Chalk and Board	
15.	L13.	Desktop Computer Ports, Device Controller, Device Driver		PPT	
16.	L14.	Input Devices: Keyboard, Mouse, Touchpad, Trackball		PPT	

17.	L15.	Joystick, Scanner, Digital Camera, Microphone	PPT
17.	L16.	Output Devices: Monitor & Printers	PPT, Chalk and Board
18.	L17.	Laser, Inkjet, Dot Matrix Printers, Plotter	PPT, Chalk and Board
19.	L18.	Introduction to Operating System	PPT, Chalk and Board
20.	L19.	Functions & Features of Operating System	PPT
21.	L20.	Windows Components: Icons, Folders, Files	Practical Demo
22.	L21.	Desktop, Taskbar, Start Menu, Recycle Bin	Practical Demo
23.	L22.	Windows Explorer, Control Panel, My Computer	Practical Demo
24.		Assignment 2	On Paper
25.	L23.	Introduction to Computer Networks & Internet	Chalk and Board and PPT
26.	L24.	History of Internet	PPT
27.	L25.	Internet & Extranet	PPT
28.	L26.	Working of Internet	PPT
29.	L27.	Modes of Connecting to Internet	PPT
30.	L28.	Introduction to E-mail	Practical Demo
31.	L29.	Advantages & Disadvantages of E-mail	Discussion
32.	L30.	User IDs, Passwords, E-mail Address	Practical Demo
33.	L31.	Message Composition & Mail Features	Practical Demo
33	L32.	Browsers & Search Engines	Practical Demo
34.		Assignment 3	On Paper
35.	L33.	Introduction to Computer Security	Chalk and Board, PPT
36.	L34.	Physical & Non-Physical Threats	Chalk and Board and PPT
37.	L35.	Viruses, Worms, Trojans	PPT
38.	L36.	Spyware, Keyloggers, Rootkits, Adware	PPT
39.	L37.	Cookies, Phishing, Hacking & Cracking	Case Study

40.	L38.	Security Fundamentals: CIA Triad	PPT
41.	L39.	Authentication & Non-Repudiation	Chalk and Board, PPT
42.	L40.	Security Mechanisms & Security Awareness	Practical Demo
43.	L41.	Security Policy, Antivirus Software	Practical Demo
44.	L42.	Firewalls, Backup & Recovery	Practical Demo
45.		Revision + Final Assignment	

Lesson Plan

Name of the Faculty:		Er. Amarjeet Kaur	
Discipline:		BCA	
Semester:		1st	
Subject:		Logical Organization of Computer	
Work Load (Lecture/Practical) per week (In hours):		Lecture-4	
S. No	Lecture No.	Theory	
		Topic (Including Assignment/Test/Quiz)	Pedagogy (PPT/Chalk and Board/Video Recording /Activity/Case Study)
1.	L1.	Introduction- Number System, Decimal to Binary Conversion	Chalk and Board
4.	L2.	Decimal to Octal Conversion	Chalk and Board
5.	L3.	Decimal to Hexadecimal Conversion	Chalk and Board
6.	L4.	Conversion from one Base to Another	Chalk and Board
7.	L5.	Complements, Weighted Codes	Chalk and Board, PPT
8.	L6.	Self-Complementing Code	Chalk and Board, PPT
9.	L7.	Error detecting and correcting codes	Chalk and Board, PPT
10.	L8.	Character Representation – ASCII, EBCDIC	PPT, Chalk and Board
11.	L9.	Fixed-point and Floating-point Representation of numbers,	PPT, Chalk and Board
12.	L10.	Binary Arithmetic	Chalk and Board

13.	L11.	BCD Codes	Chalk and Board
14.	L12.	Subtraction Using 1's and 2's Complement	Chalk and Board
15.	L13.	Digital Logic: Basic Gates – AND, OR, NOT,	Chalk and Board and PPT
16.	L14.	Universal Gates – NAND, NOR, Other Gates – XOR, XNOR etc.	Chalk and Board and PPT
17.	L15.	Binary Logic: Boolean Algebra	
18.	L16.	Boolean Theorems	Chalk and Board and PPT
17.		Assignment 1	On Paper
18.	L17.	Universal Gates	PPT, Chalk and Board
19.	L18.	Canonical and Standard forms of Boolean functions Minterm	PPT, Chalk and Board
20.	L19.	Canonical and Standard forms of Boolean functions Maxterm	PPT, Chalk and Board
21.	L20.	Karnaugh Maps (SOP)	Chalk and Board
22.	L21.	Karnaugh Maps (POS)	Chalk and Board
23.	L22.	Simplification of Boolean Functions	Chalk and Board
24.	L23.	K-Map SOP Examples	Chalk and Board
25.	L24.	K-Map POS Examples	Chalk and Board and PPT
26.	L25.	K-Map Examples with Don't Care	Chalk and Board and PPT
27.		Assignment 2	On Paper
28.	L26.	Combinational Circuits: Half-Adder	Chalk and Board and PPT
29.	L27.	Full-Adder	Chalk and Board and PPT
30.	L28.	Half-Subtractor	Chalk and Board and PPT
31.	L29.	Full-Subtractor	Chalk and Board and PPT
32.	L30.	Multiplexers	Chalk and Board and PPT
33.	L31	Demultiplexers	Chalk and Board and PPT

34.		Assignment 3	On Paper
35.	L32.	Encoders	Chalk and Board and PPT
36.	L33.	Decoders	Chalk and Board and PPT
37.	L34.	Code Converters	Chalk and Board and PPT
38.	L35.	Comparators	Chalk and Board and PPT
39.	L36.	Flip-Flops S-R	Chalk and Board, PPT
40.	L37.	Flip-Flops (JK, T, D)	Chalk and Board and PPT
41.	L38	Don't Care Condition	
42.	L39	Excitation Table, State Table	Chalk and Board and PPT
43.	L40	Master Slave Flip Flop	Chalk and Board and PPT
44.	L41	Registers	Chalk and Board and PPT
45.	L42	SISO, SIPO Register	Chalk and Board, PPT
46.	L43	PISO, PIPO Register	Chalk and Board, PPT

Name of the Faculty:		Mr. Sikander	
Discipline:		BCA	
Semester:		1st	
Subject:		Mathematical Foundations for Computer Science-1 B23-CAP-104	
Workload (Lecture/Practical) per week (In hours):		Lecture-3	
S. No.	Lecture No.	Theory	
		Topic (Including Assignment/Test/Quiz)	Pedagogy (PPT& Chalk-Board and Board/Video Recording /Activity/Case Study)
1	L1	Introduction to Sets and Representation	White Board-Marker
2	L2	Types of Sets (Finite, Infinite, Empty, Universal)	White Board-Marker
3	L3	Equal Sets, Subsets, Power Sets	White Board-Marker
4	L4	Union and Intersection of Sets	White Board-Marker
5	L5	Difference and Complement of Sets	White Board-Marker
6	L6	Venn Diagrams	White Board-Marker
7	L7	De Morgan's Laws	White Board-Marker
8	L8	Applications and Practice Problems	White Board-Marker
9		Query session&Assignment-1	
10	L9	Introduction to Matrices	White Board-Marker
11	L10	Types of Matrices	White Board-Marker

12	L11	Operations on Matrices	White Board-Marker
13	L12	Symmetric & Skew-Symmetric Matrices	White Board-Marker
		TEST-1	
14	L13	Minor and Cofactor	White Board-Marker
15	L14	Determinant of Matrix (Order 2 & 3)	White Board-Marker
16	L15	Adjoint and Inverse Matrix	White Board-Marker
17	L16	Solution of Linear Equations using Matrix Method	White Board-Marker
18	L17	Practice & Assignment	White Board-Marker
19		Query Session	
20	L18	Quadratic Equations	White Board-Marker
21	L19	Methods of Solving Quadratic Equations	White Board-Marker
22	L20	Arithmetic Progression (A.P.)	White Board-Marker
23	L21	Geometric Progression (G.P.)	White Board-Marker
24	L22	Harmonic Progression (H.P.)	White Board-Marker
25	L23	A.M., G.M., H.M.	White Board-Marker
26	L24	Relation among A.M., G.M. and H.M.	White Board-Marker
27	L25	Concept of Differentiation	White Board-Marker
28	L26	Derivative using First Principle	White Board-Marker
29	L27	Rules of Differentiation	White Board-Marker
30	L28	Derivative of Algebraic Functions	White Board-Marker
		TEST-2	
31	L29	Derivative of Trigonometric Functions	White Board-Marker
32		Query Session	
33	L30	Derivative of Exponential Functions	White Board-Marker
34	L31	Applications of Differentiation	White Board-Marker
35	L32	Higher Practice Problems	White Board-Marker
36	L33	Unit-IV Revision	White Board-Marker
37	L34	Problems on Union, Intersection and Complement of Sets	White Board-Marker
38	L35	Problems on Venn Diagrams and De Morgan's Laws	White Board-Marker
39	L36	Matrix Determinant and Inverse Problems	White Board-Marker
40		Assignment 2	On paper
41	L37	Problems on A.P., G.P., H.P., A.M., G.M., H.M.	White Board-Marker
42	L38	Quadratic Equation Practice	White Board-Marker
43	L39	Differentiation Practical Worksheet	White Board-Marker
44	L40	Complete Revision of Units I–IV	White Board-Marker
45	L41	Model Test, Doubt Session, Course Feedback	White Board-Marker
46	L42	Final Assessment and Doubt Clearing	White Board-Marker

Lesson Plan

Name of the Faculty:			Ms. Pratibha	
Discipline:			BCA	
Semester:			1st	
Subject:			Office And Spreadsheet Learning Tools	
Work Load (Lecture/Practical) per week (In hours):			Lecture-5	
S. No	Lecture No.	Theory		
		Topic (Including Assignment/Test/Quiz)	Pedagogy (PPT/Chalk and Board/Video Recording /Activity/Case Study)	
1	L1	Introduction to Computer Fundamentals and Operating System	Chalk & Board	
5.	L2	Operating System: Definition and Functions	Chalk & Board	
6.	L3	Types of Operating Systems	Chalk & Board, PPT	
7.	L4	Basics of Popular Operating Systems (Windows, Linux, Android)	PPT	
8.	L5	User Interface: Desktop, Icons, Taskbar	Chalk & Board, Demonstration	
9.	L6	Exploring Computer, Files and Drives	Chalk & Board	
10.	L7	Using Menus and Menu Selection	Demonstration	
11.	L8	Managing Files and Folders	Chalk & Board, Practical Demonstration	
12.	L9	Control Panel: Display Properties	Chalk & Board, PPT	
13.	L10	Add/Remove Software and Hardware, Common Utilities	PPT, Demonstration	
14.	L11	Unit-I Revision	Chalk & Board	
15.	Assignment 1	Unit-I Assignment	On Paper	
16.	L12	Introduction to Word Processing and MS Word Interface	Chalk & Board, PPT	
17.	L13	Creating, Saving and Opening Documents	Chalk & Board	
18.	L14	Editing Text and Document Formatting	Chalk & Board	

19.	L15	Fonts, Paragraph Formatting and Page Layout	PPT
18.	L16	Spell Check, Find and Replace	Chalk & Board
19.	L17	Tables and WordArt	PPT
20.	L18	Mail Merge	Chalk & Board, PPT
21.	L19	Macros and Hyperlinks	PPT
22.	L20	Document Themes and Style Sets	Chalk & Board
23.	L21	Headers, Footers, Printing and Practical Session	Chalk & Board, Practical
24.	L22	Unit-II Revision and Quiz	Chalk & Board
25.	Assignment 2	Unit-II Assignment	On Paper
26.	L23	Introduction to Spreadsheet and Applications	Chalk & Board, PPT
27.	L24	Creating and Opening Worksheets	Chalk & Board
28.	L25	Spreadsheet Menus and Data Entry	Chalk & Board
29.	L26	Manipulating Cells, Row Height and Column Width	Practical Demonstration
30.	L27	Copying Cells and Auto Fill	Chalk & Board
31.	L28	Mathematical Functions	PPT
32.	L29	Statistical Functions	Chalk & Board
33.	L30	Financial Functions	Chalk & Board, PPT
34.	L31	Creating Charts and Graphs	PPT, Practical
35.	L32	Sorting and Filtering Data	Chalk & Board
36.	L33	Practical Session on MS Excel	Practical
37.	L34	Unit-III Revision	Chalk & Board
38.	Assignment 3	Unit-III Assignment	On Paper
39.	L35	Introduction to Presentation Software (MS PowerPoint)	Chalk & Board, PPT

40.	L36	Creating, Saving and Modifying Presentations	Chalk & Board
47.	L37	Presentation Views and Working with Objects	PPT
48.	L38	Using Sound and Animation	PPT, Demonstration
49.	L39	Printing Presentations and Slide Show	Chalk & Board
50.	L40	Practical Session on PowerPoint	Practical
51.	L41	Unit-IV Revision	Chalk & Board
52.	L42	Complete Course Revision and Doubt Session	Chalk & Board
53.	L43	Internal Assessment / Quiz	Written Test

Lesson Plan

Name of the Faculty:		Dr. Shobha Soni	
Discipline:		BCA	
Semester:		1st Semester	
Subject:		Environmental Science	
Work Load(Lecture/Practical) per week(In hours):		Lecture-3	
S.No	Lecture No.	Theory	
		Topic(Including Assignment/Test/Quiz)	Pedagogy (PPT/Chalk and Board/Video Recording /Activity/Case Study)
1.	L1.	Introduction to Environmental studies Multidisciplinary nature of environmental science	Chalk and Board
2.	L2.	Concept of Sustainability	Chalk and Board
3.	L3.	Ecosystem- Definition, Structure and Function	Chalk and Board
4.	L4.	Energy flow, Food Chain and food web	Chalk and Board
5.	L5.	Major ecosystems- Aquatic Ecosystems, Desert Ecosystems	Chalk and Board, PPT
6.	L6.	Forest Ecosystem, Grassland Ecosystem	Chalk and Board, PPT
7.	L7.	Land Resources	Chalk and Board, PPT

8.	L8.	Forest Resources	Chalk and Board, PPT
9.	L9.	Water Resources	Chalk and Board, PPT
10.	L10.	Energy Resources	Chalk and Board, PPT
11.	L11.	Biodiversity – Definition and types	Chalk and Board
12.	L12.	Endangered and endemic species of India	Chalk and Board
13.	L13.	Threats to biodiversity	Chalk and Board and
14.	L14.	Conservation of biodiversity- In situ , Ex situ	Chalk and Board
15.	L15.	Ecosystem and biodiversity services	Chalk and Board
16.		Assignment 1	On Paper

17.	L16.	Solid waste management	Chalk and Board
18.	L17.	Climate change	Chalk and Board
19.	L18.	Global Warming	Chalk and Board
20.	L19.	Impact of pollution on human communities and Agriculture	Chalk and Board
21.	L20.	Environmental laws	Chalk and Board and PPT
22.	L21.	Environmental (Protection) Act, 1986	Chalk and Board, PPT
23.	L22.	Air (Prevention and control of Pollution) Act, 1981	Chalk and Board, PPT
24.	L23.	Water (Prevention and control of Pollution) Act, 1974	Chalk and Board, PPT
25		Assignment 2	On Paper
26	L24.	Human Population Growth	Chalk and Board
27	L25.	Impacts of population on Environment	Chalk and Board
28	L26.	Impact of Population on human health and welfare	Chalk and Board
29	L27.	Resettlement and rehabilitation	Chalk and Board
30		Assignment 3	On Paper
31	L28.	Disaster management : floods	Chalk and Board
32	L29.	Disaster management: earthquake and cyclones	Chalk and Board and PPT
33	L30.	Landslides and drought	Chalk and Board and PPT
34	L31.	Environmental Ethics	Chalk and Board
35	L32.	Role of Indian and other religions and cultures in environmental conservation.	Chalk and Board

Lesson Plan

Name of the Faculty			Ms Venus Arora	
Discipline			BCA	
Semester			1	
Subject			English Communication Skills	
WorkLoad (Lecture/Practical) per week (In hours):			Lecture-3	
S.No	Lecture No.	Theory		
		Topic(IncludingAssignment/Test/ Quiz)	Pedagogy (PPT/Chalk and Board/Video Recording /Activity/Case Study)	
1.	L1	Introduction to Communication: Meaning, Process and Importance	Chalk & Board	
2.	L2	Theory of Communication	Chalk & Board	
3.	L3	Types of Communication	PPT, Chalk & Board	
4.	L4	Verbal Communication	Activity	
5.	L5	Non-Verbal Communication	PPT	
6.	L6	Body Language and Gestures	Activity	
7.	L7	Facial Expressions, Eye Contact and Posture	Activity	
8.	L8	Revision of Unit I	Discussion	
9.		Assignment 1	On Paper	
10.	L9	Workplace Communication	Chalk & Board	
11.	L10	Interpersonal Communication	PPT	
12.	L11	Introducing Oneself	Role Play	
13.	L12	Introducing Others	Role Play	
14.	L13	Making Requests	Activity	
15.	L14	Offering Help	Activity	
16.	L15	Congratulating	Role Play	
17.	L16	Making Enquiries	Activity	

18.	L17	Seeking Permission	Role Play
19.	L18	Revision of Unit II	Discussion
20.		Class Test 1	Written Test
21.	L19	Importance of Listening Skills	Chalk & Board
22.	L20	Types of Listening	PPT
23.	L21	Active Listening	Activity
24.	L22	Barriers to Effective Listening	Chalk & Board
25.	L23	Overcoming Listening Barriers	Discussion
26.	L24	Note-taking Techniques	PPT
27.	L25	Cornell and Outline Methods	Activity
28.	L26	Practice of Note-taking	Worksheet
29.		Assignment 2	On Paper
30.	L27	Introduction to Parts of Speech	Chalk & Board
31.	L28	Noun and Pronoun	PPT
32.	L29	Verb	Chalk & Board
33.	L30	Adjective and Adverb	PPT
34.	L31	Preposition	Chalk & Board
35.	L32	Conjunction	Chalk & Board
36.	L33	Interjection	Discussion
37.	L34	Practice Exercises	Worksheet
38.	L35	Error Identification	Activity
39.	L36	Revision of Unit IV	Discussion
40.		Class Test 2	Written Test
41.	L37	Comprehensive Revision	Interactive Session
42.	L38	Doubt Clearing	Discussion
43.	L39	Speaking Practice	Role Play

44.	L40	Listening Practice	Activity
45.	L41	Mock Viva / Oral Communication	Interactive
46.	L42	Course Wrap-up	Discussion

Lesson Plan

Name of the Faculty			Ms. Nancy	
Discipline			BCA	
Semester			1 st	
Subject			Electronics	
WorkLoad (Lecture/Practical) per week (In hours):			6	
S.No	Lecture No.	Theory		
		Topic(IncludingAssignment/Test/Quiz)	Pedagogy (PPT/Chalk and Board/Video Recording /Activity/Case Study)	
1.	L1	Introduction to Electronics and its Applications	Chalk & Board + PPT	
2.	L2	Resistor: Definition, Types and Applications	Chalk & Board + PPT	
3.	L3	Resistor Colour Code	Chalk & Board + PPT	
4.	L4	Capacitor	Chalk & Board + PPT	
5.	L5	Inductor	Chalk & Board + PPT	
6.	L6	Potentiometer	Chalk & Board + PPT	
7.	L7	Classification of Measuring Instruments	Chalk & Board + PPT	
8.	L8	Analog and Digital Instruments	Chalk & Board + PPT	
9.	L9	CRO	Chalk & Board + PPT	
10.	L10	Multimeter	Chalk & Board + PPT	
11.		Assignment 1	On Paper	
12.	L12	AC and DC Supply	Chalk & Board + PPT	
13.	L13	Domestic Electrical Supply	Chalk & Board + PPT	
14.	L14	Transformer	Chalk & Board + PPT	

15.	L15	Power Consumption and Energy Meter	Chalk & Board + PPT
16.	L16	Electric Tester and Clamp Meter	Written Test
17.	L17	Fuse and MCB	Chalk & Board + PPT
18.	L18	Inverter	Chalk & Board + PPT
19.	L19	Soldering Techniques	Chalk & Board + PPT
20.	L20	LED and Display Technologies	Chalk & Board + PPT
21.		Assignment 2	On Paper
22.	L22	Home Appliances	Chalk & Board + PPT
23.	L23	UPS and Inverter	Chalk & Board + PPT
24.	L24	SMPS	Chalk & Board + PPT
25.	L25	Washing Machine	Chalk & Board + PPT
26.	L26	Microwave Oven	Chalk & Board + PPT
27.	L27	Electric Iron and Rice Cooker	Chalk & Board + PPT
28.		Assignment 3	On Paper
29.	L29	Need of Earthing	Chalk & Board + PPT
30.	L30	Earth Electrode	Chalk & Board + PPT
3.1	L31	Factors Affecting Earth Resistance	Chalk & Board + PPT
32.	L32	Measurement of Earth Resistance	Chalk & Board + PPT
33.	L33	Earth Resistance Instruments	Chalk & Board + PPT
34.	L34	Domestic Electrical Safety	Chalk & Board + PPT