

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	1/12/14	Introduction to TVE	1			
2	2/12/14	TV transmitter and receiver	1			
3	4/12/14	Synchronization, geometric form, aspect ratio	1			
4		Image continuity, interlaced scanning, Picture resolution				
5	5/12/14	Video signal dimensions, horizontal, vertical sync	1			
6	8/12/14	Scanning sequence details	1			
7	9/12/14	Perception of brightness and colour, additive colour mixing, video signals for colour	1			
8	10/12/14	Luminance signal	1			
9		Color difference signals and its encoding				
10	11/12/14	Formation of Chrominance signals, PAL Encoding	1			
11	12/12/14	Picture signal transmission, +ve & -ve modulation	2			
12	15/12/14	Vestigial Sideband transmission	2			
13	16/12/14	Sound signal transmission	2			
14	17/12/14	Standard channel bandwidth	2			
15	18/12/14	TV transmitter and TV signal propagation	2			
16	19/12/14	Interference suffered by TV signals, TV broadcast channels	2			

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15	22/12/14	TV txn-Antennas	2			
16	23/12/14	TV txn-Ant-contd	2			
17	24/12/14	Camera tube types Vidicon camera tube	3			
18	26/12/14	Silicon diode	3			
		- Array vidicon				
19	29/12/14	Monochrome TV Camera tube	3			
20	30/12/14	Colour camera tube	3			
21	31/12/14	CCD image sensors	3			
22	02/1/15	Monochrome Picture tube; electro	4			
		- static focussing				
23	5/1/15	Beam deflection	4			
24	6/1/15	Picture tube characteristics & control	4			
25	7/1/15	Picture tube specifications	4			
26	8/1/15	Colour picture tubes	4			
27	9/1/15	American 525 line BW TV System	4			
28	12/1/15	625 line mono chrome system	4			
29	14/1/15	PAL - colour system	4			
30	20/1/15	TV standards	4			

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Period	Date (Tentativo)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
31	21/1/15	I.F Subsystem	5			
32	22/2/15	Video amplifier and Sound Section.	5			
33	3/2/15	Sync. Separation Process	5			
34	4/2/15	Deflection and Scanning Circuit.	5			
35	5/2/15	Electron tuner, I.F Subsystem.	5			
36	6/2/15	V-Signal channel, Chroma decoder.	5			
37	9/2/15	Separation of U & V Color Phases.	5			
38	10/2/15	Synchronous detector, Subcarrier generation.	5			
39	11/2/15	Scaler Circuits	5			
40	12/2/15	AGC, noise cancella- tion.	6			
41	13/2/15	Video and inter Carrier sound signal detection	6			
42	16/2/15	Vision I.F Subsystem of Between receiver.	6			
43	18/2/15	Colour I.F receiver Subsystem.	6			
44	19/2/15	FM detector and FM sound detector.	6			
		Typical application.				
45	20/2/15	Tuner operation, VHF & UHF Tuners.	6			
46	23/2/15	Digital tuning techn- que, remote	6			
47	24/2/15	Control of receiver functions.	6			

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
48	25/2/15	PAL - D decoder, Chroma signal amplifier.	7			
49	26/2/15	Separation of U & V signals, Color burst separation.	7			
50	2/3/15	Burst phase discriminator, Acc amplifier	7			
51	3/3/15	Reference oscillator locked and color	7			
52	4/3/15	Killer circuit.	7			
53	5/3/15	Ro Phase shift & 180° PAL - Switch Circuitry.	7			
54	9/3/15	U & V detectors, Color signal mixing	7			
55	10/3/15	Synch. Separation	8			
		K noise in Synch. Pulse	8			
56	11/3/15	AFC, Single ended AFC circuit.	8			
57	13/3/15	Deflection oscillator, deflection drive Pch.	8			
58	16/3/15	Receiver antennas	8			
59	17/3/15	Digital TV digital satellite TV.	8			
60	19/3/15	Direct to home TV, Digital TV Rx.	8			
61	20/3/15	Digital terrestrial TV.	8			6/20/15