23	Pattern Generator Colour. coverage, composite video output, line		
ITAL ELE	CCTRONICS & MICROPROCESSOR LAB. (SUB CODE-1621507, SEMESTER-5th)		
	Name of article with specification		
	Expt. board for verification and interpretation		
2 Expt. Board for construction of half adder			
3 Expt. Board for construction of full adder			
4	Expt. Board for verification operation of a 8-		
5	4 bit adder, 2's compliment subtractor ckt.		
6	Kit to verify the truth table for +ve edge		
7	Kit to verify the truth table for encoder and		
8	Basic digital Electronics kit		
9	4 bit adder and subtractor kit		
10	Flip flop kit		
11	Multiplexer de-multiplexer kit		
12	Digital frequency meter/universal counter/timer experimental kit		
13	Logic probes TTL and CMOS		
14	Logic trainer boards		
15	Universal programmer		
16	EPROM programmer EPROM eraser		
17			
18	Half and full subtractor ckt. from universal		
19	RS flip-flop		
20	4-Bit Binary Counter		
21	4-Bit Decade Counter		
22	4 Bit BCD Counter		
23	4 Bit Binary ripple counter		
24	4 Bit BCD Adder		
25	4 Bit BCD Subtractor		
26	Binary to BCD Converter		
27	Binary to grey Converter		
28	Binary to decimal		
29	BCD to Seven segment decoder		
30	Code Converter		
31	8085 Microprocessor Trainner		
32	8086 Microprocessor Trainner		
33	Universal IC Tester		
34	Digital Multimeter		
35	ADC Kit		
36	30MHz. Dual Trace Oscilloscope	-	
37	Logic Probe		
38	Digital Function Generator. 3 ½ Digit Display	-	
39	Microprocessor based Digital IC Tester with		
of The same	ADVANCE COMMUNICATION SYSTEM /ADVANCE SYSTEMS LAB.	-	
Sl.No.	Name of article with specification	Page No. 10000	
1	Amplitude Modulation/demodulation system trainer		
2	DSB-SC AM Modulation/demodulation system trainer		
3	Amplitude modulation/demodulation using I.C.		
4	DLL EM Medulation/demodulation		
5	Trainer (Sampling & Reconstruction)		
6	Time division multiplexing/demultiplexing system trainer		



7	AM/DSB/SSB Kit	
8	Noise- audio kit	
9	Valtage controlled illustration	Francisco Company
	Voltage controlled oscillator(V.C.O.) Module	-
10	Phase locked loop (FLL) Module	
11	Pre- emphasis & De- emphasis module	· · · · · · · · · · · · · · · · · · ·
12	Phase code modulation/demodulation system trainer	
POWE	RELECTROTICS LAB (SUB, CODE: 1621508, SEMESTER 54)	
	119111P DI GPIRIA 14121 CEL 144	
-1		
2	Characteristics of diac & trine	100
3	SCR Triggering Circuits	1000
4	AC and DC Power Control Trainer	377.30
5	AC Phase Control using SCR	7
6	AC Phase control using diac & trine	
7	DC regulated power supply using SCR	
8	AC regulated power supply using triac	7
9	Inverter using power Transistors	
10	Inverter using power MOSFET	
11	Series Inverter using SCR	(49)
12	Parallel Inverter using SCR	1.56
13	Single phase half wave controlled rectifier	
14	Single phase full wave bridge controlled	(8)
15	UJT Characteristic Kit	1 1 1000
16	Speed control of DC motor using SCR with	
17	UJT relaxation oscillator experimental kit	
18	TRIAC based AC phase control experimental	a turing
19	Power supply training system using ICs	

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GOVT. POLYTECHNIC, MADHEPURA DEPARTMENT OF COMPUTER SCIENCE & ENGINEER

0		Name of item Name of Asia
_	Desktop computer-	Name of item Name of Article with Specification
	Processor	1-Processor: Intel core i7 4770 / 4790 with 6MB to BMB cache 7 79 6M/ or higher with integrated Graphics
	11000000	12-Memory: 4 GB / 8 GB 1600MH 5
		3- Storage: 500 GB/ 1TB 3.5 inch HDD
	10.50	5- Ports: 6USB ports (2 Front / 4 Rear) (USB 3 0 -2Ngs) YGA Ports, FSZ Fort for Keyboard & Mouse, 1x Comm
		6- Ethernet : 10/100/1000Mbas Oct
		6- Ethernet: 10/100/1000Mbps Onboard Network Interfacing Card. 7- Audio Interface: 5.1 integrated sound interfacing Card.
		7- Audio Interface : 5.1 integrated sound card, (Mis & Audio Out Fort in the Front) (Mic, Audio out & Line-in
		8-Additional Graphics Card: 2GB ATI Bodes (ABBROOK)
		To Form Factor / Cabinet : Micro Tower
		11 - Mouse: USB / PS2 Optical Scroll Mouse ,
	The second second	12-Keyboard : Standard PS2 Keyboard
		13- Monitor : 18.5 inch wide flat LED screen ,
	- weeks	14- Operating System: Windows 8.1 Professional (Preloaded)
	was a Maria	15- Warranty: 3 / 5 years comprehensive onsite warranty with Next Business Day Support. 16- Software: Microsoft Office 2013 or latest version.
	- 13.1	16- Software: Microsoft Office 2013 or latest version, Antivirus with Byears upgrades: / updates (Quickhill, Kaspersky or Norton).
	la 15 11 15	WARE THE PROPERTY OF THE PROPE
2	Specification of Server	THE REDIT FIOLESSOF ED 2500 V3 caries 2 1 GHz 20MB Cache and 9 care
	1No.	or marie 2 Wood Processor: Standard 1 Processor maximum up to 2 Processor 3
	A COLUMN TO THE PARTY OF THE PA	Chipset: Intel chipset C600 series or equivalent compatible with the system. 4- Memory
	4. 4. 63	16 GB DDR3 RAM (24-DIMM Slots), 1600MHz , expandable upto 768 GB. 5- HDD : 3 x 300
	K AS TO THE	GB, 15 K RPM SAS HDD hot plug. 6- Raid Controller: RAID controller, with 512 MB RAM
		of non-volatile cache or equivalent with RAID 0, 1, 5, 6, 10. 7- Optical Drive: DVD Writer
		with 8x read / write speed or higher 8. Slate 4.
	The section	with 8x read / write speed or higher. 8 - Slots : 4 or more PCI Express. 9- Ports / Interface
		: 4 USB ports / 4 x 1Gbps Ethernet LAN Port / 1- Serial port. 10- Graphics : Standard Vide
		Controller with 1280 x 768 resolution. 11- Power Supply: Redundant Power supply with
-		hot swap Platinum Efficiency (94% efficient at 50 % Load). 12- Form Factor: Tower based
- 1		with standard specification 13-OS Certification: Certification for Installation of the
- 1		Microsoft Windows 2012 Server or Higher / Red Hat enterprise Linux 6.0 / SUSE Linux
-1		Enterprise Edition 11.0 / Ubuntu Server Edition 12.04 or 14.04 LTS 14- Warranty: 3 years
-		on-site comprehensive warranty with parts and labor with Next Business Day support. 15
		O.S.: Microsoft Windows Server 2012 R2 (64 bit) or higher [Academic Edition]. 16-
		Monitor: 18.5 inches Wide LED thin Monitor with VGA input 17-Mouse : USB Optical Scro
		Mouse, 18-Keyboard: Standard 105 PS2 or USB Keyboard
		Thouse to helpodial standard too ray of one helpodia
10	Ich Comme	
W	leb Camera	a. Connection USB b. Microphone type :Monoc. Focus Type: fixed c. Video Capture:
		1024 x 768 HD d. Frame rate: 30 fps of higher
		e. Optical resolution: 5 Mpixel or Higher
0	perating System	Microsoft Windows 8.1 St. DEM version
La	ser Printer	HP/ RICHO Duples
0.00	omputer Table	size Ze Ze Z & tray and Ze L & Oli non Transparent with keybpard glass three sides
	volving chair for comp	GODRAG
		A CONTROL OF THE CONT
Pri	ojector	

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GOVT. POLYTECHNIC, MADHEPURA

S. No	Name PHYSICS
Sr. no.	Name of Maine of Helm Manus et August and A
1	
2	Measurement of diameter of wire
3	The state of the s
4	To observe rise in water level through capillaties of different bores
5.	Determine The coefficient of viscosing capillaties of different bores
6	Determine The coefficient of viscosity of given oil using stock's method
7	Measurement of unknown temperature using Thermocouple Apparatus Required :Thermocouple,
8	Determine the coefficient of linear expansion of given material using
9	To observe The divergence of laser light with respect to distance
10	Plot Characteristics of Photosloctric cell (Photoelectric current verses
11	Verification of Charles law:
12	Comparison of illuminating power (luminous intensity) of two light
13	Lab Tool Kit for Physics Laboratory

Applied Science Lab (Physics)

Sr. no.	Name of Experiment & Apparatus Required	
1	To represent simple harmonic motion with the help of vertical oscillation	0
2	To determine the time period of oscillation of compound pendulum and	
3	To determine the velocity of sound by using Resonance tube.	
4	To compare luminous intensities of two luminous body by using Bunsen's	
5	To calculate coefficients of absorption for acoustical materials.	
6	To determine foules constant (1) by electric method.	
7	To determine wavelength of sodium light by using Newton's ring.	
8	To verify Amperes rate using persted experiments and find variation of	
9	To determine frequency of sound by using sonometer.	
10	To calculate refractive index of material of prism using spectrometer	
11	To determine The divergence of He- Ne Laser beam,	

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	DEPARTMENT OF CHEMISTRY
Sr. no.	Name of Experiment & Apparatus Required
1	Magnetic Sterrier with
2	Conical Flask 50 ml
3	Stopper Conical Flask
4	Weighing Bottle
5	Measuring Cylinder 50 ml
6	Measuring cylinder
7	Spatulla
8	Kips Apparatus
9	Ignition Tube Wash Bottle Plastic
10	Decicator
11	Glass rod
13	Glass Tube
14	Clay pipe Triangle
15 16	Cork Borrer Set
17	Hot Air Oven
18	Burret with stop cork
19	Burret stand
20	Beaker 250ml
21	beaker 500ml
22	Conical Flask 100 ml
23	Glass Funnel 15cm
24	Glass Funnel 6cm
25	Measuring Cyllinder
26	Measuring cyllinder
27	Mortal Peasteal 15cm
28	Pipette 25ml
29	Reagent Bottle 250ml
30	Reagent Bottle 500ml
31	Reagent Bottle W/M
32	Sprit lamp Stainless steel
33	Measuring Flask with
34	Watch Glass 10cm
35	watch Glass 4cm
36	Wash bottle plastic 250
37	Wire guage with
38	Pinch Cork
39	Filter Paper
40	Hot Plate round
41	Electric Oven
42	Burette 100ml, borosile
43	Burette 50ml, borosile
38	Beaker 100ml ,Borosile
39	Beaker 200ml ,Borosile
40	Iron Stand with clamp &
41	Round Bottom Flask
-	Tradity Dollow Lines.



-	Flat bottom flask 250ml			
2	Platinum Wire		les de la companya della companya della companya de la companya della companya de	
3	PH Meter			
4	Trough 250x100ml, for		The state of the s	7.1
45	Tripad stand 8' for gas			
46	Wire guage for tripod		termination and the same	
47	Specific Gravity Bottle		The second secon	3
48	Oswald Viscometre			
49	Seperating Funnel 35011	The second secon	and the second second	
50	Sperating Funnel Soul	recommendation of the contribution	Witness to Company of the Company of	
51	Behelve Self 3" (4)		Ballering and Company of the Street of the	10 10 10 10 10 10 10 10 10 10 10 10 10 1
52	Tringular File 3 With		rite it minuteries I and a second	
53:	The second secon	THE RESIDENCE OF THE PARTY OF T	- Contract of the contract of	
54	Look Conical funnel 3"	The State of the S	- American	
55	Conce dune	and the same of th		1 19 1. 19
56	conical funnel 4"\			
57	Measuring Collinder 250ml		MAR.	
58	Crueble with IId	1/19/1	AWAR C.	
59	Propertie Schmil, Borosii		200 127	
60	Propertie Marril, Borosil		7.143	
61	Comma die SCOmi	TOTAL NEW YORK	481	
62	Tribit Start			1
63	Techichi adultizan	11/19/27	1000000	
64	Test Tube stand of	BIN THE	ACT 200	
65	Platinum wire fix with			
66	Fraction Weight Box	120 1310		111-11-11
67	Electronic Balance			. 1, 6 , 10 TI
68	Conical Flask 250 mil			
63	Measuring Flask 500ml		We The T	
70	Weasuring cylinder 250ml	Ty.	No. 1 W. Feb	
71	Dessicator 6"			
72	Test: Tube with rim			
73	Giass Beaker 100ml			The start of the start
	Glass Beaker 150ml			
74	Gas lage gun metal			
75	in the conglete of the	The same of the sa		
75	Rubber cap standard size			
77	Test hube 18x150mm			
78	Pairs of 1609s	The second secon		
79	Wash Bonie 300ml	The second secon		
80	Ragent Bottle 100ml N/M	The second secon	AND THE RESERVE OF THE PARTY OF	
81	Reagent bottle250ml	CHEMICALS	MANUFACTURE OF THE PARTY OF THE	AN IDA
	The state of the s		Manual Commence of the Commenc	
1	SOME CARRONATE	The second state of the second	emperation of the second	
2	LUBRICKTING ON	and the second s		
3	AMMONIUM CALORIDE		- Company of	
4	AMMONIUM	and the second s		
5	POTASSIUM SHTRATE			
6	ETHYLE ALCOHOL	Cartes and the second s	TO THE STATE OF TH	
7	SOMUM	The second residence of the second se	STATE OF THE PARTY	
8	METHYLE ORANGE			all all the second second



9	PHENOPHTHELENE
10	POTTASSIUM
11	POTTASSIUM
12	POTTASSIUM
13	SODIUM
14	Glacial acetic acid
15	Formaldehyde
16	Phenol
17	Sod. Thiosulphate
18	Potassium iodide
19	Glycerence
20	Benzene
21	Ferrous sulphate
22	Barium chloride
23	Lead acetate
24	Zinc Sulphate
25	Copper Sulphate
26	Sulpharic acid
27	Glacial acetic acid
28	Formaldehyde
29	Phenol
30	Sod. Thiosulphate
31	Potassium iodide
32	Glycerence
33	Benzene
34	Ferrous sulphate
35	Barium chloride
36	Lead acetate
37	Zinc Sulphate
38	Copper Sulphate Sulpharic acid
39 40	Nitric acid
41	Hydrochloric acid
42	Magnesium Sulphate
43	Sodium chloride
44	Ammonium carbonate
45	Ammonium sulphar
46	Silver nitrate
47	Potassium chloride
48	Fusion Mixture
49	Liquor ammonia
50	Ferric chloride
51	Potassium
52	Cobalt Nitrate
53	Barium Hydroxide
54	Calcium hydroxide
54	Culvinii il divolo

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GOVT. POLYTECHNIC, MADHEPURA List of Furnichers

1		Pipe/ Make etc		
1	Almirah(Steel)	Godraj (Standard Sized)		
1	Chair (Steel)	Godraj (Six Storage Sized 6')		
1	pook Selves(Steel)	Godraj (Four Storage Sized 5')		
	steel Chair (Steet)	Godraj		
+	Table(Steel)	Godraj (47½" X 23" X 29" With three self right side & Lock and Key) Godraj (Standard Sized)		
1	Almirah(Steel)	Godraj (Standard Sized)		
1	Principal Chair(Steel)	Godraj (Movable)		
1	Computer chair	godrej -(Movable)		
1	Computer table	godrej		
	Dual dex	Godrej/ Wood Sal		
1	Plastic Chair(Plastic)	Nill kamal		
	Sopha Set(Wood)	Standered Quality (Three Seated -0ne, Single Seated - Two with Center Table One -3½' X 2' X 1½' (2½ X 2' X 19mm)		
;	Drawing Room Stool(Wood)	Used for Drawing Class Room(Top - 12BX 18B X19 mm Height - 24BX22B, Top bass- 8½"X12", Lear- 5", Thikness-1½"X1½") As Per Stand Module		
4	Drawing Table (Wood)	Standard Size as Previosly available in the institute		
5	Chauki / BED (Wood)	6' X 3' X 18" (पौआ एवं पट्टी —सखुआ, Top /विछावन आम)		
6	Dining Table (Wood)	6' X 3' X 18"(पौआ एवं पष्टी -सखुआ, Top / पलाई) सनमाइकी		
7	Dining Chair(Wood)	3' X 16" X 16" (पौआ एवं पट्टी सखुआ, Top / पलाई सनमाईका)		
8	Banch (Wood)	6' X 1½' X 15" (पाँआ एवं पष्टी —सखआ, Top / सखुआ)		
_	Reading Table (Wood)	2½' X 3' X 2' (पाऔ एवं पट्टी —सखुआ, Top / पलाई सनमाईका)		
20	Reading Chair (Wood)	3' X 3' X 2' (पाऔ एवं पट्टी —संखुआ, Top / पलाई सनमाईका)		
21	Class Room	Standard Size as Previosly available in the institute		
22	Table (Wood)) 3' X 8' X 4' (पाऔ एवं पट्टी —सखुआTop / सखुआ)		
23	Lab(Wood)	2' X 15" X 15" (पाऔ एवं पट्टी -सखुआTop / सखुआ)		
24	Palang (Wood)	6½'X3'X1½''(पाओ एवं पट्टी सखुआ, पलाई सनमाईका विछावन पलाई)		
25	Center Table (Wood)	3' X 2' X 1½' (पाओ एवं पट्टी -सखुआ, Top / पलाई सनमाईका)		

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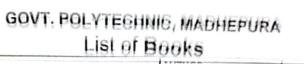
GOVT. POLYTECHNIC, MADHEPURA Miseellaneous & Office Equipmer

Name of item Name of Asset		
Photostat Machine: A3 size	VIth Specification	
Water Cooer	RICHO/HP	
Water Purifier(RO Machine)	BrandedCompany	
Genrator 20KVA with all accessories	BrandedCompany	
Conrator 20KV/A with all accessories	kiroskar/StanderdCompany	
	kiroskar/StanderdCompany	
F LCD TV (Close)	kiroskar/StanderdCompany	
	BrandedCompany	
Multimedia projecto: (1024 X 786)	Panasonic	
Pen Drive - 4 Gb - 6 hos.	BrandedCompany	
LAPTOP (Pre loaded Operating System)	HP/ StanderdCompany	
HP laser Frinter All in One Model- 3050		
On line UPS SKVA with Battery	BrandedCompany	
	Name of item Name of Article v Photostat Machine: A3 size Water Cooer Water Purifier(RO Machine) Genrator 20KVA with all accessories Genrator 20KVA with all accessories Three phase Standby MWER Generator CAP- 25 KVA f. LCD TV (Clost) Multimedia projector (1024 X 786) Pen Drive - 4 Gb - 8 nos. LAPTOP (Pre loaded Operating System) HP laser Printer All in One Model- 3050	

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(21)



S.NO	NAME OF BOOKS	AUTHOR	PUB
1	Industrial Engg & Management	Br. G.F. Khiatihla	DHANPAT
2	Industrial Engineering and Management	Banga & Sharma	KHANNA PUB
3	KENNEDY'S ELECTRONIC COMMUNICATION SYSTEM	Kennedy	TMH
4	Principles of Communication engineering	Kriakli Singh	S.CHAND
5	Wireless & Cellular Communication	Sanjay Sharma	S.K. KATARIA
6	Digital Principle and Application.	Malvino & Leach	TMH
7	DIGITAL INTEGRATED ELECTRONICS	Taub and Schilling.	ТМН
8	Analysis of linear systems.	D. K. Cheng.	
9	Signal & linear system.	Gabel & Roberts.	NAROSA
10	Communication System.	Haykins.	WILEY
11	Signals and Systems	A. Oppenheim	WILEY
12	Control System Engineering.	Nagrath & Gopal.	Pearson
13	Management		NEW AGE
14	Introduction to Machine Design	Deepak Chandra	FPH
15	Machine Design	V.B.Bhandari	TMH
15	Machine design	R.K.Jain	KHANNA PUB
		Pandya & Shah	CHAROTAR
	Shigley's Mechanical Engineering Design	Budynas	ТМН
18	Design Data for Machine Elements	Abdulla Shariff	DHANPAT
19	Machine Design	Hall, Holowenko	ТМН
20	Design of Machine Bernents	D.P. Maridal, R.M. PANDEY	FPH
21	Mechanical Design of Machine Elements and Machines	Jack A. Collins, Henry R. Busby	WILEY
22	Oli Hydraulic system- Principle and maintenance	Majumdar	ТМН
23	Pneumatics Systems Principles and Maintenance	Majumdar	ТМН
24	Industrial Fluid Power	S. Laxmikant	FPH
25	INTRODUCTION TO WORK STUDY	ILO	CBS
26	Jigs & Fixtures	P. H. Joshi	ТМН
27	A Textbook of Production Engineering	P.C. Sharma	S.CHAND
28	Modern Production / Operations Management	Buffa , Sarin	WILEY
29	Production Technology	R.N.Pandey, S.P. Goyal	FPH
30	Calculus, single variidble	Robert T. Smith	ТМН
31	Fourier series and isoundary value problems	Brown	ТМН
32	Higher Engineering Mathematics	B. S. Grewal	KHANNA PUB
33	Introductory Methods of Numerical analysis	S. S. Sastry	PHI
34	Numerical memory, for practitic & engineering computations	M.K JAIN	NEW AGE
35	MS Office 2000 for Everyone	Sanjay Saxena	VIKAS PUB.
36	MS office	Ron Mansfield	BPB PUB
	Mastering Fox pro 2.5	Siegel	BPB PUB
	How to solve it by Computer	R.G.Dromey	Pearson
-	The C Programming Language	Kernighan/Ritchie	Pearson
	Software Engineering	R.S. Pressman	TMH
	Programming in C	R. Subburaj	VIKAS PUB.
_	Programming with Clarify sage	Balagurusamy	тмн
	Programming with Correctings	B.P.Mahapatra	KHANNA PUB
	THE RESERVE OF THE PROPERTY OF	Yashwant Kanetkar	BPB PUB
-	Let us C Operating system	Milan Milenkovic	TMH

operating system Operating System Concepts	Harvey M. Beitel	Kennen
Landern operating system	Silberschatz	Péarson
First course in computer	Tananbaum	Wiley
computer Architecture & Organization	Sanjay Saxena	Péarson
computer organization & design	J.P.Hayes	VIKAS PUB.
computer or garnester or decarging	f. Pal. Choudhary	TMH
Modern digital electronics	R.P. Jalfi	PHI
nigital electronics	V.K.Puri	TMH
Modern digital electronics	N.P. Jälfi	TMH
Digital Computer Electronics	Malviño	TMH
Fundamentals of Microprocessors	Dr.B.Ram	TMH
system Analysis & design methods	J. Whitten	DHANPAT
Management information system	K.C. Laudon	TMH
C++ Primer	The state of the s	Pearson
problem solving with C++	Lippman W.Savitch	Pearson
object oriented programming with C++	THE RESERVE OF THE PARTY OF THE	Pearson TMH
T	E.Balagurusamy	GALGOTIA
object oriented programming in C++ The C++ Programming Language	R.Lafore	Pearson
	Stroustrup	TMH
Mastering C++	K .V.Venugopal	Pearson
Data Structures Using C and C++	Langsam / Augenstein Malvino & Leach	TMH
6 Digital Principles & Applications		тмн
Modern digital electronics	R.P. Jain V.K.Puri	тмн
58 Digital electronics	R.P. Jain	тмн
Modern digital electronics	S.Rao.	Khanna Pub.
70 Switch gear & protection	2 10 10 Distances	DHANPAT RAI
71 A Textbook On Power System (A Course in Electrical Pow	er) Soni, Gupta & Briatriagur. S.L.Uppal.	Khanna Pub.
72 A test book of Electrical power	Badriram & Vishwakarma P.N.	тмн
73 Fower System Protection & Switchgear	Rayindra P. Singh	PHI
74 Switchgear & Power system Protection	BHEL	тмн
75 Franctiscok of Switchigerars	Prabhat Kumar	FPH
76 Switchigeau and Protection	S. K. Bhattacharya	TMH
77 Electrical Machines	B. L. Theraja	S. Chand
78 A Tempook of Electrical Technology Volume II	Dr.P.S. Bimbra	Khanna Pub.
79 Electrical Machinery	M.V.Deshpande	PHI
80 Electrical Machines	D.P.Kothari, I.J.Nagrath	тмн
81 Electrical Machines	Shalini Verma	ESH
82 A.C. Machines	H. Partab	DHANPAT RAI
83 Art & Science of Delissation of Figure 18 (1981)	J. B. Gupta	S. K. Kataria
84 Utilisation of Electric Former & Electric Transfelli	G. C. Garg	Khanna Pub.
85 Utilisation of Electric Former & Electric Tradition	G K. Dubey	NAROSA
86 Fundamentals of Electrical Drives	s. Shiynagaraju	Pearson
87 Generation & utilization of Electrical Energy	E. Openshaw Taylor	Universities Press
88 Utilization of Electrical Energy	Rajiy Ranjan	FPH SUMMAT RAI
89 Utilization of Electrical Execution	II. Partab	DHANPAT RAI
90 Modern Electric Traction	Deepak Sriyastaya	FPH New Age
91 Electric Traction-1	Nagrath Gopal	New Age
92 Control System Ergs	Ogata	JAICO
93 Modern Control Frest	Andrew Parr	College of the second of the s