

महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

कक्षा : बी.एस-सी. भाग-एक					विषय : इलेक्ट्रानिक्स
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
01.08.2013	1	A.K. Verma	I	Introduction	Syllabus & books
03.08.2013	2	A.K. Verma	I	Passive circuit elements	Ideal resistor
05.08.2013	1	A.K. Verma	II	Filter	Input & transfer functions
06.08.2013	2	A.K. Verma	II	Filter	Symmetrical network
07.08.2013	1	A.K. Verma	III	Electron emission & tubes	Definition and types
08.08.2012				Class Teaching	
10.08.2013	3	A.K. Verma	I	Passive ckt elements	Resistors
12.08.2013	4	A.K. Verma	I	Passive ckt elements	Characteristics and their types
13.08.2013	3	A.K. Verma	II	Filter	Characteristics impedance
14.08.2013	4	A.K. Verma	II	Filter	Propagation constant
16.08.2013	2	A.K. Verma	III	Electron emission & tubes	Thermionic emission
17.08.2013		A.K. Verma		Class Teaching	
19.08.2013	5	A.K. Verma	I	Passive ckt elements	Capacitors
20.08.2013	6	A.K. Verma	I	Passive ckt elements	Capacitors
22.08.2013	5	A.K. Verma	II	Filter	Basic theory
23.08.2013	6	A.K. Verma	II	Filter	Types of filter
24.08.2013	3	A.K. Verma	III	Electron emission	Potential energy of electron
26.08.2013				Evolution	
27.08.2013	7	A.K. Verma	I	Passive ckt elements	Inductors
29.08.2013	8	A.K. Verma	I	Passive ckt elements	Inductors
30.08.2013	7	A.K. Verma	II	Filter	Pass & Attenuation bands
31.08.2013	8	A.K. Verma	II	Filter	K-type LPF
02.09.2013	4	A.K. Verma	III	Electron emission	Work function and thermionic
03.09.2013				Class Teaching	
04.09.2013	9	A.K. Verma	I	Passive ckt elements	Dielectric, eddy & hysteresis losses
05.09.2013	10	A.K. Verma	I	Passive ckt elements	Skin effect, practical ckt elements
06.09.2013	9	A.K. Verma	II	Filter	K-type HPF
07.09.2013	10	A.K. Verma	II	Filter	K-type HPF
09.09.2013	5	A.K. Verma	III	Electron emission	Space charge and vacuum tubes
10.09.2013				Class Teaching	

महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

कक्षा : बी.एस-सी. भाग-एक					विषय : इलेक्ट्रानिक्स
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
11.09.2013	11	A.K. Verma	I	Passive ckt elements	Equivalent ckt & behaviour
12.09.2013	12	A.K. Verma	I	Passive ckt elements	Measurement of RLC using AC source
13.09.2013	11	A.K. Verma	II	Attenuators	Its purpose and types
14.09.2013	12	A.K. Verma	II	Attenuators	Fixed attenuator
16.09.2013	6	A.K. Verma	III	Election emission	Effect of gas in tubes
17.09.2013				Class Teaching	
20.09.2013	13	A.K. Verma	I	Passive ckt elements	Design consideration of ckt elements
21.09.2013	14	A.K. Verma	I	Network analysis	Different types of ckt elements
23.09.2013	13	A.K. Verma	II	Attenuators	T and pie pads
24.09.2013	14	A.K. Verma	II	Attenuators	Variable attenuator
25.09.2013	7	A.K. Verma	III	Semiconductor physics	Idea of energy bands
26.09.2013				Evaluation	
27.09.2013	15	A.K. Verma	I	Network analysis	Network definitions
28.09.2013	16	A.K. Verma	I	Network analysis	Generalised KCL
30.09.2013	15	A.K. Verma	II	Attenuators	Symmetrical bridged T-attenuator
01.10.2013	16	A.K. Verma	II	Attenuators	Lattice Type
03.10.2013	8	A.K. Verma	III	Semiconductor physics	Semiconductor, insulator & metal
07.10.2013				Class Teaching	
08.10.2013	17	A.K. Verma	I	Network analysis	Generalised KVL
09.10.2013	17	A.K. Verma	II	Attenuator	Ladder attenuator
10.10.2013	18	A.K. Verma	II	Attenuator	Ladder attenuator
11.10.2013	9	A.K. Verma	III	Semiconductor physics	Intrinsic semiconductor
17.10.2013	10	A.K. Verma	III	Semiconductor physics	Extrinsic s.c.
19.10.2013				Class Teaching	
21.10.2013	18	A.K. Verma	I	Network analysis	Mesh equation & matrix elements
22.10.2013	19	A.K. Verma	II	Coupled ckt	Basic features
23.10.2013	20	A.K. Verma	II	Coupled ckt	Leakage flux & inductance
24.10.2013	11	A.K. Verma	III	Semiconductor physics	Minority & majority charge carriers
25.10.2013	12	A.K. Verma	III	Semiconductor physics	Drift & diffusion current
26.10.2013				Evaluation	

महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

कक्षा : बी.एस-सी. भाग-एक					विषय : इलेक्ट्रानिक्स
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
28.10.2013	19	A.K. Verma	I	Network analysis	T & pie network
29.10.2013	21	A.K. Verma	II	Coupled ckt	Equivalent T-network
30.10.2013	22	A.K. Verma	II	Coupled ckt	Magnetically coupled
06.11.2013	13	A.K. Verma	III	Semiconductor physics	Recombination & generation
07.11.2013	14	A.K. Verma	III	Semiconductor physics	Continuity equation
08.11.2013				Class Teaching	
09.11.2013	20	A.K. Verma	I	Network analysis	T & Pie conversion
11.11.2013	23	A.K. Verma	II	Coupled ckt	Design consideration
12.11.2013	24	A.K. Verma	II	Transformer	Definition & types
15.11.2013	15	A.K. Verma	III	Junction	Junction & potential
16.11.2013	16	A.K. Verma	III	Junction	PN Junction
18.11.2013				Class Teaching	
19.11.2013	21	A.K. Verma	I	Network analysis	Bridged T-network
20.11.2013	25	A.K. Verma	II	Transfer	Ideal transformer
21.11.2013	26	A.K. Verma	II	Transfer	Audio transformer
22.11.2013	17	A.K. Verma	III	Junction	Barrier formation
23.11.2013	18	A.K. Verma	III	Junction	Barrier potential
25.11.2013				Evolution	
26.11.2013	22	A.K. Verma	I	Network analysis	Symmetrical network
27.11.2013	27	A.K. Verma	II	Transformer	I/O transformer
28.11.2013	28	A.K. Verma	II	Transformer	Radio freq. transformer
29.11.2013	19	A.K. Verma	III	Junction	Width & capacitance
30.11.2013	20	A.K. Verma	III	Junction	Current flow in PN junction
02.12.2013				Class Teaching	
03.12.2013	23	A.K. Verma	I	Network theorems	Reduction of T & Pie network
06.12.2013	29	A.K. Verma	II	Transformer	Single & double tuned
07.12.2013	30	A.K. Verma	II	Transformer	Selectivity consideration
09.12.2013	21	A.K. Verma	III	Junction	Zener & avalanche break down
11.12.2013	22	A.K. Verma	III	Junction	Varactor diode
12.12.2013		A.K. Verma		Class Teaching	

महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

कक्षा : बी.एस-सी. भाग-एक					विषय : इलेक्ट्रानिक्स
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
13.12.2013	24	A.K. Verma	I	Network theorems	Superposition theorems
14.12.2013	31	A.K. Verma	II	Transformer	Over coupling & design consideration
16.12.2013	32	A.K. Verma	II	Transformer	Numericals
17.12.2013	23	A.K. Verma	III	Junction	Photodiode
18.12.2013	24	A.K. Verma	III	Junction	LED
19.12.2013				Class Teaching	
20.12.2013	25	A.K. Verma	I	Network theorems	Reciprocity theorem
21.12.2013	33	A.K. Verma	II	Measuring instruments	Introductory idea
23.12.2013	34	A.K. Verma	II	Measuring instruments	A.C. Ammeter
24.12.2013	25	A.K. Verma	III	Junction	Solar Cell
26.12.2013	26	A.K. Verma	III	Transistor	BJT
27.12.2013				Evaluation	
28.12.2013	26	A.K. Verma	I	Network theorems	Thevenin Theorem
30.12.2013	35	A.K. Verma	II	Measuring instruments	Voltmeter
31.12.2013	36	A.K. Verma	II	Measuring instruments	VTVM
01.01.2014	27	A.K. Verma	III	Transistor	NPN and PNP
02.01.2014	28	A.K. Verma	III	Transistor	Transistor operation
04.01.2014				Class Teaching	
06.01.2014	27	A.K. Verma	I	Network theorem	Norton theorem
07.01.2014	37	A.K. Verma	II	Measuring instruments	Multimeter
08.01.2014	38	A.K. Verma	II	Measuring instruments	CRO
09.01.2014	29	A.K. Verma	III	Transistor	Current flow in transistor
10.01.2014	30	A.K. Verma	III	Transistor	Ebba-moll model
11.01.2014				Class Teaching	
12.01.2014	28	A.K. Verma	I	Network theorem	Max. power transfer
15.01.2014	39	A.K. Verma	II	Measuring instruments	Types & uses
16.01.2014	40	A.K. Verma	II	Measuring instruments	Testing of ckt elements
17.01.2014	31	A.K. Verma	III	Transistor	CE-configuration
18.01.2014	32	A.K. Verma	III	Transistor	CB-configuration
20.01.2014				Class Teaching	

महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

कक्षा : बी.एस-सी. भाग-एक					विषय : इलेक्ट्रानिक्स
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
21.01.2014	29	A.K. Verma	I	Network theorems	Application of theorem
22.01.2014	41	A.K. Verma	II	Previous papers	Solution
23.01.2014	42	A.K. Verma	II	Previous papers	Solution
24.01.2014	33	A.K. Verma	III	Transistor	CC configuration
25.01.2014	34	A.K. Verma	III	Transistor	A, B & h-parameter
27.01.2014				Evolution	
28.01.2014	30	A.K. Verma	I	Transient analysis	LCR circuit
29.01.2014	31	A.K. Verma	I	Transient analysis	Series LCR ckt
30.01.2014	35	A.K. Verma	III	Transistor	FET
31.01.2014	36	A.K. Verma	III	Transistor	FET
01.02.2014	37	A.K. Verma	III	Transistor	MOSFET
03.02.2014				Class Teacher	
04.02.2014	32	A.K. Verma	I	Transient analysis	Parallel LCR & ckt
05.02.2014	33	A.K. Verma	I	Transient analysis	Half power point & Q-of the ckt
06.02.2014	38	A.K. Verma	III	Transistor	SCR
07.02.2014	39	A.K. Verma	III	Transistor	SCR
08.02.2014	40	A.K. Verma	III	Transistor	UJT
10.02.2014				Class Teaching	
11.02.2014	34	A.K. Verma	I	Transient analysis	Idea of polyphase ckt
12.02.2014	35	A.K. Verma	I	Previous year paper	Solution
13.02.2014	41	A.K. Verma	III	Transistor	UJT
14.02.2014	42	A.K. Verma	III	Transistor	Photo transistor