



G H RAISONI COLLEGE OF ENGINEERING NAGPUR

(An Autonomous Institute affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

CRPF Gate No.3, Hingna Road,Digdoh Hills, Nagpur. Maharashtra-440016 (India)

Course wise Teaching Plan for Session : Summer Term 2018

Course : Network Theory

Faculty : rshiware - Ms. Rituja Sudhir
Hiware

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction to Subject & CO, PO Discussion,Duality,Concept of Nodal and Mesh Analysis	02/05/2018	BEEL201	A
1	2	Introduction to Subject & CO, PO Discussion,Duality,Concept of Nodal and Mesh Analysis	02/05/2018	BEEL201	A
1	3	Numerical on above topics	02/05/2018	BEEL201	A
1	4	Nodal and Mesh equilibrium equation	02/05/2018	BEEL201	A
2	5	Superposition Theorem,Thevenin Theorem	07/05/2018	BEEL201	A
2	6	Superposition Theorem,Thevenin Theorem	07/05/2018	BEEL201	A
2	7	Norton Theorem,Reciprocity Theorem	08/05/2018	BEEL201	A
2	8	Norton Theorem,Reciprocity Theorem	08/05/2018	BEEL201	A
2	9	Numerical on above topics	09/05/2018	BEEL201	A
2	10	Maximum Power Transfer Theorem,Compensation Theorem,Tellegen's Theorem,Numerical on above topics	09/05/2018	BEEL201	A
2	11	Maximum Power Transfer Theorem,Compensation Theorem,Tellegen's Theorem,Numerical on above topics	09/05/2018	BEEL201	A
2	12	Maximum Power Transfer Theorem,Compensation Theorem,Tellegen's Theorem,Numerical on above topics	09/05/2018	BEEL201	A
3	13	Trigonometric Fourier Series,Exponential Fourier Series,Discrete spectrum and symmetry of waveform Numerical on above topics	14/05/2018	BEEL201	A
3	14	Trigonometric Fourier Series,Exponential Fourier Series,Discrete spectrum and symmetry of waveform Numerical on above topics	14/05/2018	BEEL201	A



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Unit	Topic Code	Topic Covered	Date	Course	Section
3	15	Steady State response of a network to non-sinusoidal periodic inputs, Fourier transforms, Continuous Spectra	15/05/2018	BEEL201	A
3	16	Steady State response of a network to non-sinusoidal periodic inputs, Fourier transforms, Continuous Spectra	15/05/2018	BEEL201	A
4	17	Laplace transforms and properties, Partial fraction, Singularity function, Waveform synthesis	16/05/2018	BEEL201	A
4	18	Laplace transforms and properties, Partial fraction, Singularity function, Waveform synthesis	16/05/2018	BEEL201	A
4	19	Analysis of RC, RL, and RLC Networks with and without initial conditions Laplace Transforms	16/05/2018	BEEL201	A
4	20	Initial and Final Conditions	16/05/2018	BEEL201	A
4	21	Numerical on above topics	21/05/2018	BEEL201	A
4	22	Numerical on above topics	21/05/2018	BEEL201	A
5	23	Transient behaviours	22/05/2018	BEEL201	A
5	24	Concept of complex frequency Driving points and Transfer function.	22/05/2018	BEEL201	A
5	25	Poles and zeroes of admittance function their properties	23/05/2018	BEEL201	A
5	26	Poles and zeroes of admittance function their properties	23/05/2018	BEEL201	A
5	27	Convolution theorem	23/05/2018	BEEL201	A
5	28	Integral solution	23/05/2018	BEEL201	A
5	29	Numerical on above topics	28/05/2018	BEEL201	A
5	30	Numerical on above topics	28/05/2018	BEEL201	A
6	31	Two port Network Parameter inter connection	29/05/2018	BEEL201	A
6	32	Two port Network Parameter inter connection	29/05/2018	BEEL201	A



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Unit	Topic Code	Topic Covered	Date	Course	Section
6	33	Study of series Resonance	30/05/2018	BEEL201	A
6	34	Study of series Resonance	30/05/2018	BEEL201	A
6	35	Study of parallel Resonance	30/05/2018	BEEL201	A
6	36	Study of parallel Resonance	30/05/2018	BEEL201	A
6	37	power calculations.	04/06/2018	BEEL201	A
6	38	power calculations.	04/06/2018	BEEL201	A
1	39	Numerical on above topics	05/06/2018	BEEL201	A
1	40	Numerical	05/06/2018	BEEL201	A
2	41	Numerical	06/06/2018	BEEL201	A
2	42	Numerical	06/06/2018	BEEL201	A
4	43	Numerical	06/06/2018	BEEL201	A
6	44	Numerical	06/06/2018	BEEL201	A