

PUNJAB COLLEGE OF ENGINEERING

KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: ECE&EEE

Academic Session: 2017-18 (Jan-June 2018)

Lesson Plan for the Semester started w.e.f 08.01.2018

Subject with code: Electromagnetic Theory (EE-208-F)

Name of Faculty with designation : Mr. Chandra Shekhar Singh (Associate Professor)

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
January	09.01.2018 Tuesday	IV-ECE/EEE	A	Coordinate System- introduction		Assignment of 02 Ques. given
January	10.01.2018 Wednesday	IV-ECE/EEE	A	cartesian, spherical & cylindrical coordinate system		Assignment of 02 Ques. given
January	12.01.2018 Friday	IV-ECE/EEE	A	Vector calculus- differential length, Area, Volume		Assignment of 02 Ques. given
January	16.01.2018 Tuesday	IV-ECE/EEE	A	line integral & volume integral, del operator		Assignment of 02 Ques. given
January	17.01.2018 Wednesday	IV-ECE/EEE	A	Gradient, divergence & divergence Theorem		Assignment of 02 Ques. given
January	19.01.2018 Friday	IV-ECE/EEE	A	Stokes theorem, Curl & Laplacian		Assignment of 02 Ques. given
January	23.01.2018 Tuesday	IV-ECE/EEE	A	Revision of Section A & Numericals		
January	24.01.2018 Wednesday	IV-ECE/EEE	B	Coloumb Theorem & force		Assignment of 02 Ques. given
January	30.01.2018 Friday	IV-ECE/EEE	B	Gauss Law & Electric Field Intensity		Assignment of 02 Ques. given
February	02.02.2018 Friday	IV-ECE/EEE	B	Electric Dipole & flux lines		Assignment of 02 Ques. given
February	06.02.2018 Tuesday	IV-ECE/EEE	B	Energy density in electrostatic field		Assignment of 02 Ques. given
February	07.02.2018 Wednesday	IV-ECE/EEE	B	Boundary Condition & boundary Value problem		Assignment of 02 Ques. given
February	09.02.2018 Friday	IV-ECE/EEE	B	Poisson & Laplace equation		Assignment of 02 Ques. given
February	20.02.2018 Tuesday	IV-ECE/EEE	B	Method of Images, Resistance & Capacitance		Assignment of 02 Ques. given
February	21.02.2018 Wednesday	IV-ECE/EEE	B	Convection, Conduction & Polarisation		Assignment of 02 Ques. given

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February	23.02.2018 Friday	IV-ECE/EEE	B	Revision of section B		
February	27.02.2018 Tuesday	IV-ECE/EEE	C	Magnetostatics- biot savarts law		Assignment of 02 Ques. given
February	28.02.2018 Wednesday	IV-ECE/EEE	C	Ampere circuit law & applications		Assignment of 02 Ques. given
March	06.03.2018 Tuesday	IV-ECE/EEE	C	Maxwell & magnetic flux density		Assignment of 02 Ques. given
March	07.03.2018 Wednesday	IV-ECE/EEE	C	Magnetic Scalar & vector potential		Assignment of 02 Ques. given
March	09.03.2018 Friday	IV-ECE/EEE	C	Magnetic forces, dipole, moment & torque		Assignment of 02 Ques. given
March	13.03.2018 Tuesday	IV-ECE/EEE	C	Magnetic boundary condition		Assignment of 02 Ques. given
March	14.01.2018 Wednesday	IV-ECE/EEE	C	Inductor, Inductance & Magnetic Energy		Assignment of 02 Ques. given
March	16.03.2018 Friday	IV-ECE/EEE	D	Maxwell Equation in static & dynamic form		Assignment of 02 Ques. given
March	27.03.2018 Tuesday	IV-ECE/EEE	D	Displacement current concept & maxwell equation in final form		Assignment of 02 Ques. given
March	28.03.2018 Wednesday	IV-ECE/EEE	D	Electromagnetic Wave propogation in lossy dielectric		Assignment of 02 Ques. given
April	03.04.2018 Tuesday	IV-ECE/EEE	D	Electromagnetic Wave propogation in free space & good conductor		Assignment of 02 Ques. given
April	04.04.2018 Wednesday	IV-ECE/EEE	D	Poynting Vector & its signifance		Assignment of 02 Ques. given
April	06.04.2018 Friday	IV-ECE/EEE	D	Reflection of plane wave in normal incidence		Assignment of 02 Ques. given
April	10.04.2018 Tuesday	IV-ECE/EEE	D	Transmission line parameters & equation		Assignment of 02 Ques. given
April	11.04.2018 Wednesday	IV-ECE/EEE	D	Derivation of input impedance of Transmission line		Assignment of 02 Ques. given
April	13.04.2018 Friday	IV-ECE/EEE	D	Standing Wave ratio, Power & impedance matching		Assignment of 02 Ques. given