



KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: EEE/ECE

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

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

Subject with code: T&D(EE-212-F)

Name of Faculty with designation : Mr. V. K. Singh (Asst. Prof.)

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Test / assignment
January	10.01.2018 Wednesday	VI-EEE	1	Structure of a power system, Indoor and outdoor substations,	Assignment of two ques.
January	12.01.2018 Friday	VI-EEE	1	Equipment for substations, layout, auxiliary supply	Assignment of two ques.
January	17.01.2018 Wednesday	VI-EEE	1	Radial, ring mains and network distribution system,	Assignment of two ques.
January	19.01.2018 Friday	VI-EEE	1	comparison of various types of ac and dc systems	Assignment of two ques.
January	24.01.2018	VI-EEE	3	CABLES: Types of LV and HV cables,	Assignment of two ques.
January	31.01.2018 Wednesday	VI-EEE	3	grading of cables,	Assignment of two ques.
February	07.02.2018 Wednesday	VI-EEE	3	capacitance, ratings.	Assignment of two ques.
February	09.02.2018 Friday	VI-EEE	3	CORONA: Phenomenon, critical voltage,	Assignment of two ques.
February	21.02.2018 Wednesday	VI-EEE	3	power loss, reduction in losses, radio-interference,	Assignment of two ques.
February	28.02.2018 Wednesday	VI-EEE	3	HVDC transmission – types of links, advantages and limitations.	Assignment of two ques.
March	07.03.2018 Wednesday	VI-EEE	4	MECHANICAL DESIGN: Sag and stress calculations,	Assignment of two ques.
March	09.03.2018 Friday	VI-EEE	4	effect of ice and wind, dampers.	Assignment of two ques.

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March	14.03.2018 Wednesday	VI-EEE	4	INSULATORS: Types, insulating materials	Assignment of two ques.
March	16.03.2018 Friday	VI-EEE	4	voltage distribution over insulator string, equalizer ring.	Assignment of two ques.
March	28.03.2018 Tuesday	VI-EEE	2	TRANSMISSION LINES: Calculation of line parameters,-1	Assignment of two ques.
March	30.03.2018 Friday	VI-EEE	2	TRANSMISSION LINES: Calculation of line parameters,-2	Assignment of two ques.
April	04.04.2018 Wednesday	VI-EEE	2	Ferranti effect, proximity effect.	Assignment of two ques.
April	06.04.2018 Friday	VI-EEE	2	PERFORMANCE OF LINES: models of short, medium and long transmission lines,	Assignment of two ques.
April	11.04.2018 Wednesday	VI-EEE	2	circle diagram	Assignment of two ques.
April	13.04.2018 Friday	VI-EEE	2	capacity of synchronous condenser, tuned lines, voltage control.	Assignment of two ques.