



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: PS-2(EE-312-F)

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

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Test/Assignment
January	09.01.2018 Tuesday	VI-EEE	1	Basics of fault (what, why and how it is discriminated)	Assignment of two ques.
January	09.01.2018 Tuesday	VI-EEE	1	Transients on a transmission line effect	Assignment of two ques.
January	12.01.2018 Friday	VI-EEE	1	Short circuit of synchronous machine at no load and on full load	Assignment of two ques.
January	16.01.2018 Tuesday	VI-EEE	1	Symmetrical component transformation	Assignment of two ques.
January	16.01.2018 Tuesday	VI-EEE	1	Tutorial 1	Assignment of two ques.
January	19.01.2018 Friday	VI-EEE	1	phase shift in star-delta transformation	Assignment of two ques.
January	23.01.2018 Tuesday	VI-EEE	1	sequence impedances	Assignment of two ques.
January	23.01.2018 Tuesday	VI-EEE	1	Single line to ground fault, line to line fault, double line to ground fault	Assignment of two ques.
January	30.01.2018 Tuesday	VI-EEE	1	open conductor fault	Assignment of two ques.
January	30.01.2018 Tuesday	VI-EEE	1	Tutorial-2/Test-2	Assignment of two ques.
February	02.02.2018 Friday	VI-EEE	2	circuit breaker, circuit breaker ratings,	Assignment of two ques.
February	06.02.2018 Tuesday	VI-EEE	2	Theory of arc interruption,	Assignment of two ques.

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February	06.02.2018 Tuesday	VI-EEE	2	Restriking voltage transients, , current chopping	Assignment of two ques.
February	9.02.2018 Friday	VI-EEE	2	Tutorial-3/Test-3	Assignment of two ques.
February	20.02.2018 Tuesday	VI-EEE	2	duties of switch gear, automatic switch,	Assignment of two ques.
February	20.02.2018 Tuesday	VI-EEE	2	air circuit breaker, bulk oil, minimum oil,	Assignment of two ques.
February	27.02.2018 Tuesday	VI-EEE	2	air blast, SF6 CB, vacuum and DC circuit breakers	Assignment of two ques.
February	27.02.2018 Tuesday	VI-EEE	2	Tutorial 4	Assignment of two ques.
March	06.03.2018 Tuesday	VI-EEE	3	Nature and causes of faults, Primary and backup protections, ,consequences, zone of protection, essentia qualities,	Assignment of two ques.
March	06.03.2018 Tuesday	VI-EEE	3	relay classification	Assignment of two ques.
March	09.03.2018 Friday	VI-EEE	3	Principal types of electromagnetic relays, i.e. attracted armature, induction disc, induction cup types	Assignment of two ques.
March	13.03.2018 Tuesday	VI-EEE	3	Over -current, instantaneous over current, IDMT, directional and differential relays	Assignment of two ques.
March	13.03.2018 Tuesday	VI-EEE	3	Tutorial-5/Test-5	Assignment of two ques.
March	16.03.2018 Friday	VI-EEE	3	Distance relays, plain impedance, mho, reactance, offset mho type	Assignment of two ques.
March	27.03.2018 Tuesday	VI-EEE	3	APPARATUS PROTECTION: Transformer, generator, motor and bus zone protection, transmission line & feeder protection	Assignment of two ques.
March	27.03.2018 Tuesday	VI-EEE	3	Introduction, over current, distance, pilot wire and carrier current protection, neutral grounding	Assignment of two ques.
April	03.04.2018 Tuesday	VI-EEE	3	Tutorial-6/Test-6	Assignment of two ques.
April	03.04.2018 Tuesday	VI-EEE	4	Classification of static relays, amplitude and phase comparator	Assignment of two ques.
April	06.04.2018 Friday	VI-EEE	4	Block-spike and block-average comparators , rectifier type relays	Assignment of two ques.

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April	10.04.2018 Tuesday	VI-EEE	4	Introduction to digital relay: basic principles.	Assignment of two ques.
April	10.04.2018 Tuesday	VI-EEE	4	Application of microprocessors and computers - recent Trends	Assignment of two ques.
April	13.04.2018 Friday	VI-EEE	4	Tutorial-7	Assignment of two ques.
April	24.04.2018 Friday	VI-EEE	4	Travelling wave relay, relaying schemes based on microwave and optics	Assignment of two ques.