



KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: IT, CSIT and ECS

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

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

Subject with code: ANALOG COMMUNICATION SYSTEM (EC-413-F)

Name of Faculty with designation : NEHA VERMA, ASSISTANT PROFESSOR

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
January	08.01.2018 Monday	IV-ECS/ECE/EEE	1	Introduction of Analog Modulation Techniques	.....	Assignment of 02 Ques. given
January	09.01.2018 Tuesday	IV-ECS/ECE/EEE	1	Theory of Amplitude Modulation and AM Power Calculations		Assignment of 02 Ques. given
January	11.01.2018 Thursday	IV-ECS/ECE/EEE	1	AM Modulation with a Complex wave		Assignment of 02 Ques. given
January	15.01.2018 Monday	IV-ECS/ECE/EEE	1	Theory of Frequency Modulation (FM); Spectra of FM Signals, Narrow Band and Wide Band FM		Assignment of 02 Ques. given
January	16.01.2018 Tuesday	IV-ECS/ECE/EEE	1	Theory of Phase Modulation and Comparison of AM and FM,		Assignment of 02 Ques. given
January	18.01.2018 Thursday	IV-ECS/ECE/EEE	1	Comparison of PM and FM, Noise and Frequency Modulation and Preemphasis and De-emphasis		Assignment of 02 Ques. given
January	23.01.2018 Tuesday	IV-ECS/ECE/EEE	1	Introduction, Generation of Amplitude Modulation, Basic Principles of AM Generation		Assignment of 02 Ques. given
January	25.01.2018 Thursday	IV-ECS/ECE/EEE	2	Ring Modulator, Balanced Modulator, Tuned Radio Frequency (TRF) Receiver,		Assignment of 02 Ques. given
January	29.01.2018 Monday	IV-ECS/ECE/EEE	2	Basic Elements of AM Super-heterodyne receiver;		Assignment of 02 Ques. given
February	05.02.2018 Monday	IV-ECS/ECE/EEE	2	RF Amplifiers Characteristics-Sensitivity, Selectivity, Image Frequency Rejection,		Assignment of 02 Ques. given
February	06.02.2018 Tuesday	IV-ECS/ECE/EEE	2	Mixers Tracking and Alignment, Local Oscillator		Assignment of 02 Ques. given
February	08.02.2018 Thursday	IV-ECS/ECE/EEE	2	IF Amplifier, AM Detectors; Envelope or Diode Detector, AGC, AM Receiver using Transistors Communication Receiver		Assignment of 02 Ques. given
February	19.02.2018 Monday	IV-ECS/ECE/EEE	2	Discussion of correct Answers of Sessional 1		REVISION
February	20.02.2018 Tuesday	IV-ECS/ECE/EEE	3	FM Transmission/FM Reception: Generation of FM by Direct Methods		Assignment of 02 Ques. given

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February	22.02.2018 Thursday	IV-ECS/ECE/EEE	3	Indirect Generation of FM;		Assignment of 02 Ques. given
February	26.02.2018 Monday	IV-ECS/ECE/EEE	3	the Armstrong Method, FM Stereo Transmission		Assignment of 02 Ques. given
February	27.02.2018 Tuesday	IV-ECS/ECE/EEE	3	FM Receiver Direct Methods of Frequency Demodulation.		Assignment of 02 Ques. given
February	29.02.2018 Thursday	IV-ECS/ECE/EEE	3	Slope Detector, Travis Detector Foster Seely or Phase Discriminator		Assignment of 02 Ques. given
March	05.03.2018 Monday	IV-ECS/ECE/EEE	3	Indirect methods of FM Demodulation		Assignment of 02 Ques. given
March	06.03.2018 Tuesday	IV-ECS/ECE/EEE	3	FM Detector using PLL and Stereo FM Multiplex Reception		Assignment of 02 Ques. given
March	08.03.2018 Thursday	IV-ECS/ECE/EEE	3	Discussion of UNIT 3 important questions and correct Answers		REVISION
March	12.03.2018 Monday	IV-ECS/ECE/EEE	4	Generation of SSB and Advantages of SSB transmission		Assignment of 02 Ques. given
March	13.03.2018 Tuesday	IV-ECS/ECE/EEE	4	Independent Side-Band Systems (ISB), Vestigial Side-Band Modulation (VSB)		Assignment of 02 Ques. given
March	15.03.2018 Thursday	IV-ECS/ECE/EEE	4	.SSB Product Demodulator, Balanced Modulator as SSB Demodulator,		Assignment of 02 Ques. given
March	26.03.2018 Monday	IV-ECS/ECE/EEE	4	ISB/Suppressed Carrier Receiver		Assignment of 02 Ques. given
March	27.03.2018 Tuesday	IV-ECS/ECE/EEE	4	Introduction of Pulse Modulation Transmission and Reception		Assignment of 02 Ques. given
April	02.04.2018 Monday	IV-ECS/ECE/EEE	4	Pulse Amplitude Modulation (PAM), PAM Modulator Circuit, Demodulation of PAM Signals		Assignment of 02 Ques. given
April	03.04.2018 Tuesday	IV-ECS/ECE/EEE	4	Pulse Time Modulation (PTM)		Assignment of 02 Ques. given
April	05.04.2018 Thursday	IV-ECS/ECE/EEE	4	Pulse Width Modulation (PWM)		Assignment of 02 Ques. given
April	09.04.2018 Monday	IV-ECS/ECE/EEE	4	Pulse Position Modulation (PPM) and PPM Demodulator.		Assignment of 02 Ques. given
April	10.04.2018 Tuesday	IV-ECS/ECE/EEE	4	FSK and PSK details		Assignment of 02 Ques. given
April	12.04.2018 Thursday	IV-ECS/ECE/EEE	All	Discussion on Important Questions and Queries.		QUERIES
April	26.04.2018 Thursday	IV-ECS/ECE/EEE	All	Discussion on Important Questions and Queries.		REVISION