DRONACHARYA COLLEGE OF ENGINEERING
KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: EEE

Academic Session: 2020-21 (May-August 2021)

Subject with code: BSC-MATH-204G

Name of Faculty with designation : Dr. ASHOK KUMAR (Associate Professor)

L.No.	Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered
1	May	3rd Week	IV-EEE	III	Probability spaces, Conditional probability
2	May	3th Week	IV-EEE	III	Bayes' theorem
3	May	3th Week	IV-EEE	III	Discrete random variables
4	May	3th Week	IV-EEE	III	Bernoulli distribution, Binomial distribution
5	May	4th Week	IV-EEE	III	Poisson distribution, Poisson approximation to the Binomial distribution
6	May	4th Week	IV-EEE	III	Continuous random variables and their properties, Distribution functions and Densities
7	May	4th Week	IV-EEE	III	Expectation of discrete random variables
8	May	4th Week	IV-EEE	III	Moments, Variance of a sum
9	June	1st Week	IV-EEE	III	Correlation coefficient

L.No.	Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered
10	June	1st Week	IV-EEE	III	Normal, Exponential and Gamma densities
11	June	1st Week	IV-EEE	III	Normal, Exponential and Gamma densities
12	June	1st Week	IV-EEE	IV	Measures of central tendency
13	June	2nd Week	IV-EEE	IV	Measures of central tendency
14	June	2nd Week	IV-EEE	IV	Moments, Skewness and Kurtosis
15	June	2nd Week	IV-EEE	IV	Testing of hypothesis, Test of significance
	June	3rd Week			FIRST SESSIONAL EXAMINATION
16	June	4th Week	IV-EEE	III	Discussed Question Paper of 1st Sessional Examination
17	June	4th Week	IV-EEE	IV	Large sample test for single proportion
18	June	4th Week	IV-EEE	IV	Difference of
19	June	4th Week	IV-EEE	IV	proportions, Tests for single mean, Difference of means and Difference of standard deviations
20	July	1st Week	IV-EEE	IV	Test for ratio of variances, Chi-square test for goodness of fit and Independence of attributes
21	July	1st Week	IV-EEE	I	Solution of polynomial and transcendental equations – Bisection method and Regula-Falsi method

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22	July	1st Week	IV-EEE	I	Solution of polynomial and transcendental equations – Newton-Raphson method
23	July	1st Week	IV-EEE	I	Finite differences, Interpolation using Newton's forward and backward difference formulae
24	July	2nd Week	IV-EEE	I	Newton's divided difference and Lagrange's formulae
25	July	2nd Week	IV-EEE	I	Numerical differentiation, Numerical integration
26	July	2nd Week	IV-EEE	I	Trapezoidal rule and Simpson's 1/3rd and 3/8 rules
27	July	2nd Week	IV-EEE	II	Taylor's series, Euler and modified Euler's methods
28	July	3rd Week	IV-EEE	II	Runge-Kutta method of fourth order for solving first and second order ordinary differential equations
29	July	3rd Week	IV-EEE	II	Runge-Kutta method of fourth order for solving first and second order ordinary differential equations
30	July	3rd Week	IV-EEE	II	Finite difference solution of two dimensional Laplace equation and Poission equation
31	July	3rd Week	IV-EEE	II	Implicit and explicit methods for one dimensional heat equation
32	July	4th Week	IV-EEE	II	Implicit and explicit methods for one dimensional heat equation
33	July	4th Week	IV-EEE	II	Finite difference explicit method for wave equation
34	July	4th Week	IV-EEE	II	Finite difference explicit method for wave equation

L.No.	Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered
	July	**4/5th Week**			2nd SESSIONAL EXAMINATION