Deptt. of mathematics

Lesson Plan 2020-2021

Class-B.SC./B.A. Ist

Subject- CALCULUS

Semester- Ist Sem

Name of Assistant Professor- Mrs Sushila

Date	Topic
16/11/2020 to 22/11/2020	Some standard results fornth derivative, examples, nth derivative by use of partial fractions examples
23/11/2020 to 29/11/2020	Leibnitz theorem, examples, nth derivative at x=0
30/11/2020 to 06/12/2020	Taylors theorem with lagranses form of remainder after n terms ,maclaurins theorems, examples
07/12/2020 to 13/12/2020	Taylors infinite series, Maclaurins infinite series
14/12/2020 to 20/12/2020	Horizontal and vertical asymptote, asymptote parallel to x axis, asymptote parallel to y axis
21/12/2020 to 27/12/2020	Asymptote of polar curves, examples
28/12/2020 to 03/01/2020	Reduction formulae, examples
04/01/2021to 10/01/2021	Reduction formulae, examples
11/01/2021to 17/01/2021	Tracing of Cartesian curves, examples
18/01/2021 to 24/01/2021	Tracing of parametric curves, examples, tracing of polar curves, examples
25/01/2021 to 31/01/2021	Tracing of polar curves, examples
01/02/2021 to 07/02/2021	Fundamental theorem about rectification, rectification of Cartesian curves, rectification of parametric curves
08/02/2021 to 14/02/2021	Rectification of polar curves, examples, rectification of intrinsic curves
15/02/2021 to 21/02/2021	Definitions of quadrature , examples of Cartesian curve, area between two curves
22/02/2021 to 28/02/2021	Area formula for polar curves, examples, area between two polar curves

21/1/2021

Deptt. of Mathematics

Lesson Plan 2020-2021

Subject- NUMBER THEORY AND TRIGONOMETRY
Class-B.SC./B. A. Final

Semester- 5th Sem

Name of Assistant Professor- Mrs Sushila

Date	Topic
16/11/2020 to 22/11/2020	De Moivre' s theorem ,examples of De moivre' s theorem,roots of a complex number, solution of equation using de moivre s theorem
23/11/2020 to 29/11/2020	Expansion of trigonometric function, formation of equation
30/11/2020 to 06/12/2020	The principal of mathematical inducton, divisibility, theorem on divisibility, examples of divisibility , division algorithm,greatest common divisor, least common multiple , gauss theorem
07/12/2020 to 13/12/2020	Some definition, Euclid first theorem, Euclid second theorem, fundamental theorem of arithmatic, canonical decomposition
14/12/2020 to 20/12/2020	Congruences theorems on congruences, examples
21/12/2020 to 27/12/2020	Linear congruence, working rule for finding unique solution of linear congruence
28/12/2020 to 03/01/2020	Fermat theorem , Wilson theorem, Chinese remainder theorem ,examples
04/01/2021to 10/01/2021	Euler function, multiplicative function, examples
11/01/2021to 17/01/2021	Residue, residue(modm),least residue, complete residue system, reduced residue ,examples
18/01/2021 to 24/01/2021	Exponential function of complex variable, examples
25/01/2021 to 31/01/2021	Cicular function of complex variable, examples
01/02/2021 to 07/02/2021	Hyperbolic function, periodicity of hyperbolic function, examples
08/02/2021 to 14/02/2021	Seperation into real and imaginary parts of circular and hyperbolic functions
15/02/2021 to 21/02/2021	Logarithm of a complex quantity ,examples
22/02/2021 to 28/02/2021	The general exponential function, general logarithm function, base changing formula, inverse circular function

Sushila
2/11/2021