

LESSON PLAN

Name of Assistant Professor: Dr. Hardish Kaur

Class: B.Sc. III/B.A. III

Subject: Numerical Analysis

Lesson Plan: From September 2022 to December 2022

Week 1 1.9.2022-7.9. 2022	Finite Difference Operator
Week 2 8.9.2022-14.9. 2022	Same
Week 3 15.9.2022-21.9.2022	interpolation with equal Intervals
Week 4 22.9.2022-30.9. 2022	interpolation with unequal intervals
Week 5 31.9.2022-7.10. 2022	same
Week 6 8.10.2022-14.10. 2022	Central Difference interpolation formulae
Week 7 15.10.2022-21.10. 2022	Probability Distribution
Week 8 22.10.2022-26.10. 2022	Diwali Vacations
Week 9 27.10.2022-5.11. 2022	Numerical Differentiation
Week 10 6.11.2022-12.11. 2022	Eigen value problems
Week 11 13.11.2022-19.11. 2022	same

Week 12	20.11.2022-26.11. 2022	Numerical integration
Week 13	27.11.2022-2.12. 2022	Same
Week 14	3.12. 2022-9.12. 2022	Numerical solution of Ordinary Differential equation
Week 15	10.12. 2022-16.12. 2022	Same
Week 16	17.12.2022-24.12. 2022	Numerical solution of ordinary differential equations
25.12.2022 Onwards Examinations		

Class: B. Com. I (Sec. A)

Subject: Business Mathematics-I

Week 1 1.9.2022-7.9. 2022	Algebra of Matrices
Week 2 8.9.2022-14.9. 2022	Same
Week 3 15.9.2022-21.9. 2022	Determinants
Week 4 22.9.2022-30.9. 2022	Same
Week 5 31.9.2022-7.10. 2022	Determinants
Week 6 8.10.2022-14.10. 2022	Matrices(Continued)
Week 7 15.10.2022-21.10. 2022	Differentiation
Week 8 22.10.2022-26.10. 2022	Diwali Vacations
Week 9 27.10.2022-5.11. 2022	Compound Interest
Week 10 6.11.2022-12.11. 2022	Same
Week 11 13.11.2022-19.11. 2022	Same
Week 12 20.11.2022-26.11. 2022	Maxima and Minima
Week 13 27.11.2022-2.12. 2022	Sequence and Series

Week 14 3.12. 2022-9.12. 2022	Logarithms
Week 15 10.12. 2022-16.12. 2022	Same
Week 16 17.12.2022-24.12. 2022	Annuities
25.12.2022 onwards Examinations	

Class: B. Sc. II/B.A. II

Subject: Partial Differential Equations

Week 1 1.9.2022-7.9. 2022	Formation of Partial Differential Equations
Week 2 8.9.2022-14.9. 2022	Same
Week 3 15.9.2022-21.9. 2022	First order Linear Partial Differential Equations
Week 4 22.9.2022-30.9. 2022	Same
Week 5 31.9.2022-7.10. 2022	First order Non Linear Partial Differential Equations
Week 6 8.10.2022-14.10. 2022	Linear Partial Differential Equations of second and higher orders
Week 7 15.10.2022-21.10. 2022	Partial Differential Equations with variable coefficients reducible to equations with constant coefficients
Week 8 22.10.2022-26.10. 2022	Diwali Vacations
Week 9 27.10.2022-5.11. 2022	Classification and canonical forms of second order linear partial differential equations
Week 10 6.11.2022-12.11. 2022	Same
Week 11 13.11.2022-19.11. 2022	Monge's method for partial differential equations of second order
Week 12 20.11.2022-26.11. 2022	Same

Week 13	27.11.2022-2.12. 2022	Charaterstics of Second order partial differential equations and Cauchy problem
Week 14	3.12. 2022-9.12. 2022	Same
Week 15	10.12. 2022-16.12. 2022	Method of separation of variables:Wave, Heat and Laplace Equations
Week 16	17.12.2022-24.12. 2022	Same
25.12.2022 onwards Examinations		