

### Lesson Plan

Name of the Assistant/ Associate Professor..... PINKI  
 Class and Section:..... B.A. (Final) (5th Semester)  
 Subject:..... Mathematics (Numerical Analysis)

Week	Date	Topics
1	1-Jan-18	Finite Difference operators and their relations
	2-Jan-18	Newton forward interpolation.
	3-Jan-18	Newton Backward Interpolation
	4-Jan-18	Formula of Forward and Backward
	5-Jan-18	Revision of ch-1 (examples)
	6-Jan-18	Revision of ch-1 (examples)
	7-Jan-18	Sunday
2	8-Jan-18	Test of ch-1
	9-Jan-18	Interpolation with unequal intervals.
	10-Jan-18	Newton's divided difference.
	11-Jan-18	Examples
	12-Jan-18	Examples
	13-Jan-18	Lagrange's Interpolation Formula.
	14-Jan-18	Sunday
3	15-Jan-18	Revision of Lagrange's Method.
	16-Jan-18	Examples and Exercise
	17-Jan-18	Hermite formula.
	18-Jan-18	Examples
	19-Jan-18	Revision + Practical
	20-Jan-18	Test of Hermite formula. and or ch-2.
	21-Jan-18	Sunday
4	22-Jan-18	Test of Unit -1
	23-Jan-18	Central Differences.
	24-Jan-18	Gauss Forward formula.
	25-Jan-18	Gauss Backward formula.
	26-Jan-18	Stirling Bessel's formula.
	27-Jan-18	Examples
	28-Jan-18	Sunday
5	29-Jan-18	Examples
	30-Jan-18	Revision + Practical
	31-Jan-18	Test of ch-3.

## Lesson Plan

Name of the Assistant/ Associate Professor..... PINKI.....  
 Class and Section:..... B.A. (Final) [Sixth Semester].....  
 Subject:..... Mathematics [Numerical Analysis].....

Week	Date	Topics
1	1-Feb-18	Probability distribution of Random Variables.
	2-Feb-18	Examples.
	3-Feb-18	Binomial Distribution.
	4-Feb-18	Sunday
2	5-Feb-18	Poisson's distribution.
	6-Feb-18	Examples.
	7-Feb-18	Normal distribution
	8-Feb-18	Examples.
	9-Feb-18	Revision + Practical.
	10-Feb-18	Test of Ch-4
	11-Feb-18	Sunday
3	12-Feb-18	Numerical Differentiation
	13-Feb-18	Derivatives of a function
	14-Feb-18	Test of Ch-5
	15-Feb-18	Eigen Value Problems
	16-Feb-18	Power's Method
	17-Feb-18	Jacob's Method
	18-Feb-18	Sunday
	4	19-Feb-18
20-Feb-18		House Holder's Method
21-Feb-18		QR method
22-Feb-18		lanzos method
23-Feb-18		Revision + Practical
24-Feb-18		Revision + Practical
25-Feb-18		Sunday
5	26-Feb-18	Revision + Practical
	27-Feb-18	Revision + Practical
	28-Feb-18	Test of Ch-6.

### Lesson Plan

Name of the Assistant/ Associate Professor: ✓ PINKI  
 Class and Section: B.A - Final (Sixth Sem)  
 Subject: Mathematics (Numerical Analysis)

Week	Date	Topics
1	1-Mar-18	Numerical Integration
	2-Mar-18	Newton-cotes Quadrature formula.
	3-Mar-18	Trapezoidal Rule
	4-Mar-18	Sunday
2	5-Mar-18	Simpson's One-third and three-eight Rule.
	6-Mar-18	Chebyshev formula.
	7-Mar-18	Gauss Quadrature formula.
	8-Mar-18	Revision + Practical
	9-Mar-18	Examples.
	10-Mar-18	Examples
	11-Mar-18	Sunday
	3	12-Mar-18
13-Mar-18		Numerical Solution of O.D.E
14-Mar-18		Single Step method - Picard's method
15-Mar-18		Taylor's series method
16-Mar-18		Euler's method
17-Mar-18		Runge-kutta Methods
18-Mar-18		Sunday
4		19-Mar-18
	20-Mar-18	Predictor-corrector method
	21-Mar-18	Modified Euler's method
	22-Mar-18	Milne - Simpson's method
	23-Mar-18	Examples
	24-Mar-18	Examples
	25-Mar-18	Sunday
	5	26-Mar-18
27-Mar-18		Revision + Practical
28-Mar-18		Revision + Practical
29-Mar-18		Revision + Practical
30-Mar-18		Test of Ch-8.
31-Mar-18		Unit Test of Unit - IV + III + II + I