

Lesson Plan

Name of Assistant Professor: Ms. Vinita Raj

Class: BA/B. Sc. I (Semester 2nd)

Subject: Mathematics Paper : Number theory and Trigonometry

Lesson Plan: From (January 2018- April 2018)

Week 1	
Chapter 7 : De Moivre's Theorem and its Applications	
Preliminaries	Week 1 Day 1 Date 1/1/2018
Preliminaries	Week 1 Day 2 Date 2/1/2018
Preliminaries	Week 1 Day 3 Date 3/1/2018
Preliminaries	Week 1 Day 4 Date 4/1/2018
De Moivre's theorem	Week 1 Day 5 Date 5/1/2018
De Moivre's theorem	Week 1 Day 6 Date 6/1/2018
Week 2	
Chapter 7	
Roots of a complex number	Week 2 Day 1 Date 8/1/2018
Roots of a complex number	Week 2 Day 2 Date 9/1/2018
Solutions of equations	Week 2 Day 3 Date 10/1/2018
Expansion of trigonometrical functions	Week 2 Day 4 Date 11/1/2018
Formation of equations	Week 2 Day 5 Date 12/1/2018
Formation of equations	Week 2 Day 6 Date 13/1/2018
Week 3	
Problem solving session	Week 3 Day 1 Date 15/1/2018
Departmental Activity	Week 3 Day 2 Date 16/1/2018
Expansion as multiples	Week 3 Day 3 Date 17/1/2018
Chapter 8	Week 3 Day 4 Date 18/1/2018
Exponential functions	
Euler's theorem	Week 3 Day 5 Date 19/1/2018
	Week 3 Day 6 Date 20/1/2018

Test	
Week 4	
	Week 4 Day 1 Date 22/1/2018
Holiday	
	Week 4 Day 2 Date 23/1/2018
Presentation by students	
	Week 4 Day 3 Date 24/1/2018
Holiday	
	Week 4 Day 4 Date 25/1/2018
Revision	
	Week 4 Day 5 Date 26/1/2018
Holiday	
	Week 4 Day 6 Date 27/1/2018
Chapter 9 Hyperboic functions	
Week 5	
	Week 5 Day 1 Date 29/1/2018
Hyperboic functions	
	Week 5 Day 2 Date 30/1/2018
Separation into real and imaginary parts of circular and hyperbolic functions	
	Week 5 Day 3 Date 31/1/2018
Holiday	
	Week 5 Day 4 Date 1/2/2018
Separation into real and imaginary parts of circular and hyperbolic functions	
	Week 5 Day 5 Date 2/2/2018
Chapter 10 Logarithm of a complex quantity	
	Week 5 Day 6 Date 3/2/2018
Departmental Activity	
Week 6	
	Week 6 Day 1 Date 5/2/2018
General exponential and logarithmic functions	
	Week 6 Day 2 Date 6/2/2018
CL	
	Week 6 Day 3 Date 7/2/2018
CL	
	Week 6 Day 4 Date 8/2/2018
CL	
	Week 6 Day 5 Date 9/2/2018
Chapter 11 Inverse circular functions	
	Week 6 Day 6 Date 10/2/2018
Holiday	
Week 7	
	Week 7 Day 1 Date 12/2/2018
Principal values of Inverse circular functions	
	Week 7 Day 2 Date 13/2/2018
Holiday	

	Week 7 Day 3 Date 14/2/2018
General values of Inverse circular functions	
	Week 7 Day 4 Date 15/2/2018
Inverse hyperbolic functions in terms of logarithms	
	Week 7 Day 5 Date 16/2/2018
Gregory's series	
	Week 7 Day 6 Date 17/2/2018
Departmental Activity	
	Week 8
	Week 8 Day 1 Date 19/2/2018
Another form of Gregory's series	
	Week 8 Day 2 Date 20/2/2018 Chapter 12
Summation of series	
	Week 8 Day 3 Date 21/2/2018
Summation of series	
	Week 8 Day 4 Date 22/2/2018
Summation of series	
	Week 8 Day 5 Date 23/2/2018
Summation of series	
	Week 8 Day 6 Date 24/2/2018
Departmental Activity	
	Week 9
	Week 9 Day 1 Date 26/2/2018
Summation of series	
	Week 9 Day 2 Date 27/2/2018
Summation of series	
	Week 9 Day 3 Date 28/2/2018
Holiday	
	Week 9 Day 4 Date 1/3/2018
Holiday	
	Week 9 Day 5 Date 2/3/2018
Holiday	
	Week 9 Day 6 Date 3/3/2018
Holiday	
	Week 10 Chapter 1
	Week 10 Day 1 Date 5/3/2018
Divisibility	
	Week 10 Day 2 Date 6/3/2018
Division algorithm	
	Week 10 Day 3 Date 7/3/2018
Gauss theorem	
	Week 10 Day 4 Date 8/3/2018
Euclid's theorems	
	Week 10 Day 5 Date 9/3/2018
Assignments	
	Week 10 Day 6 Date 10/3/2018
Departmental Activity	

Week 11	
Chapter 2	
	Week 11 Day 1 Date 12/3/2018
Congruences	
	Week 11 Day 2 Date 13/3/2018
Congruences	
	Week 11 Day 3 Date 14/3/2018
Congruences	
	Week 11 Day 4 Date 15/3/2018
Linear congruence	
	Week 11 Day 5 Date 16/3/2018
Linear Diophantine equations	
	Week 11 Day 6 Date 17/3/2018
Revision and problem solving session	
Week 12	
Chapter 4	
	Week 12 Day 1 Date 19/3/2018
Euler's theorem	
	Week 12 Day 2 Date 20/3/2018
Residue (mod m)	
	Week 12 Day 3 Date 21/3/2018
Reduced residue system	
	Week 12 Day 4 Date 22/3/2018
Presentation by students	
	Week 12 Day 5 Date 23/3/2018
Holiday	
	Week 12 Day 6 Date 24/3/2018
Departmental Activity	
Week 13	
Chapter 5	
	Week 13 Day 1 Date 26/3/2018
Greatest integer function	
	Week 13 Day 2 Date 27/3/2018
Arithmetic functions	
	Week 13 Day 3 Date 28/3/2018
Mobius function	
	Week 13 Day 4 Date 29/3/2018
Holiday	
	Week 13 Day 5 Date 30/3/2018
Test	
	Week 13 Day 6 Date 31/3/2018
Departmental Activity	
Week 14	
Chapter 3	
	Week 14 Day 1 Date 2/4/2018
Fermat's theorem	
	Week 14 Day 2 Date 3/4/2018
Fermat's theorem	
	Week 14 Day 3 Date 4/4/2018

Wilson's theorem	
	Week 14 Day 4 Date 5/4/2018
Wilson's theorem	
	Week 14 Day 5 Date 6/4/2018
Chinese remainder theorem	
	Week 14 Day 6 Date 7/4/2018
Departmental Activity	
	Week 15
	Week 15 Day 1 Date 9/4/2018
Chinese remainder theorem	
	Week 15 Day 2 Date 10/4/2018
Chapter 6	
Quadratic congruence	
	Week 15 Day 3 Date 11/4/2018
Assignment	
	Week 15 Day 4 Date 12/4/2018
Quadratic congruence	
	Week 15 Day 5 Date 13/4/2018
Legendre symbol	
	Week 15 Day 6 Date 14/4/2018
Holiday	
	Week 16
	Week 16 Day 1 Date 16/4/2018
Gauss reciprocity law	
	Week 16 Day 2 Date 17/4/2018
Gauss reciprocity law	
	Week 16 Day 3 Date 18/4/2018
Holiday	
	Week 16 Day 4 Date 19/4/2018
Presentation by students	
	Week 16 Day 5 Date 20/4/2018
Problem solving session	
	Week 16 Day 6 Date 21/4/2018
Departmental Activity	
	Week 17
	Week 17 Day 1 Date 23/4/2018
Revision	
	Week 17 Day 2 Date 24/4/2018
Revision	
	Week 17 Day 3 Date 25/4/2018
Revision	
	Week 17 Day 4 Date 26/4/2018
Revision	
	Week 17 Day 5 Date 27/4/2018
Revision	
	Week 17 Day 6 Date 28/4/2018
Revision	